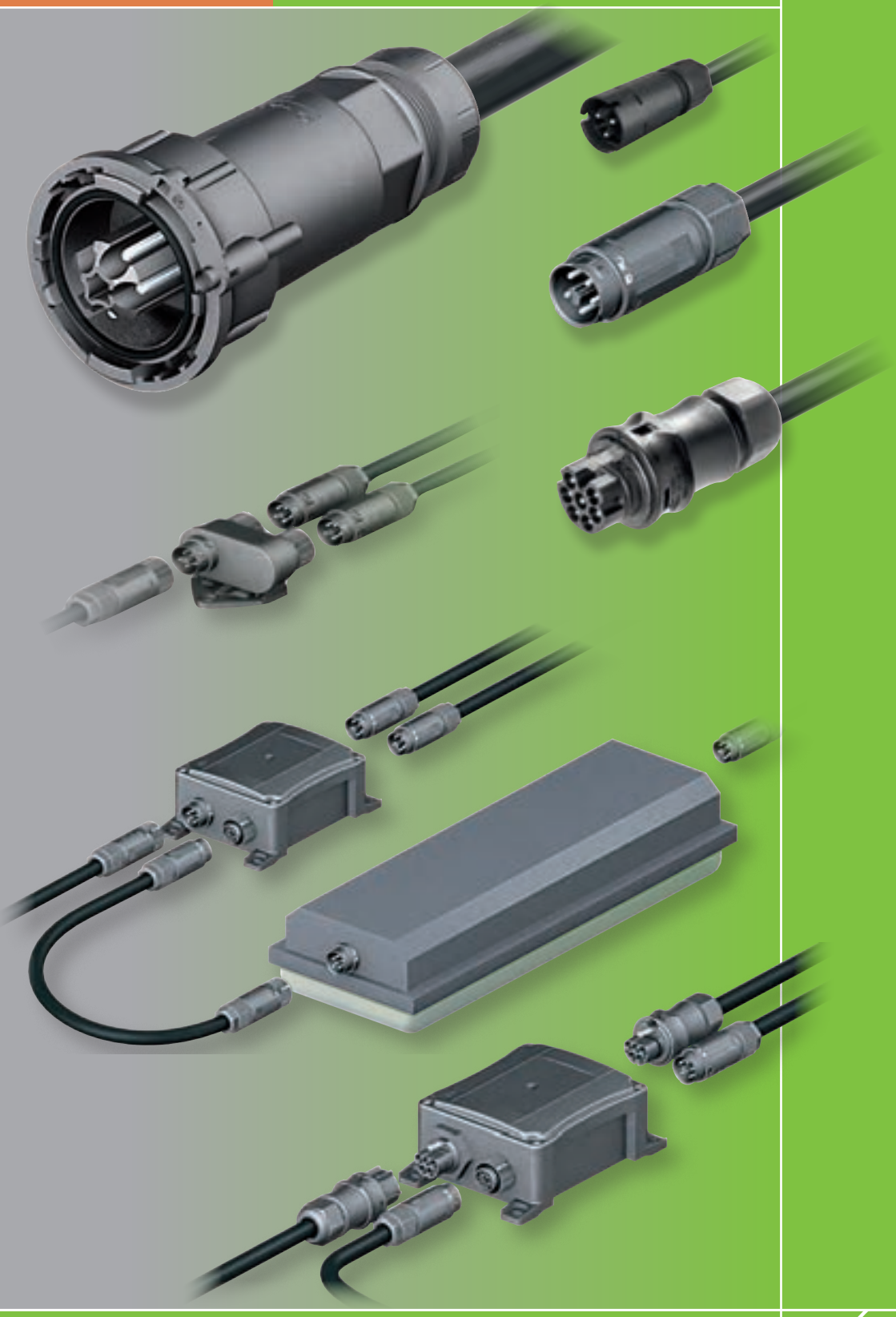
RST®

wieland



RST®

Pluggable electrical installation with highest IP rating (IP6X)

Catalog 2018

Pluggable connections
Table of contents

The idea of pluggable installation
As easy as brilliant

Conventional installation

Work steps:

Power distribution:
- Cut the cable to length
- Strip the cable sheath
- Insert the cable into the junction box
- Strip the wire insulation
- Connect the individual wires
- Close the junction box

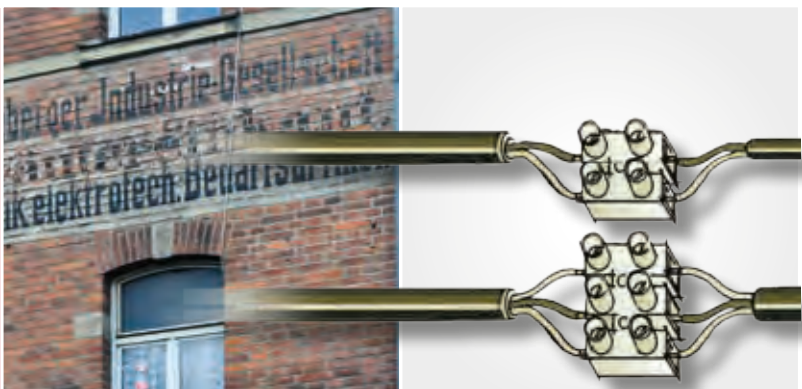
Luminaire installation:
- Open the luminaire
- Cut the cable to length
- Insert the wire into the luminaire
- Strip the wire insulation
- Connect the individual wires
- Close the luminaire

The *gesis*®-installation philosophy:

The idea is as easy as it is brilliant.
An extensive network of components of electrical connection technology, pre-assembled and most carefully tested, enables a consistently pluggable solution from the distribution board to each point of demand.

This saves time and reduces costs!
A great number of renowned manufacturers have recognized this positive trend and, as system partners, already offer their components with pluggable ***gesis***® connectors.

The system's fields of application are as versatile as the system itself. In short: wherever electrical power or signals need to be distributed, ***gesis***® has set a standard.



Pluggable installation from Wieland

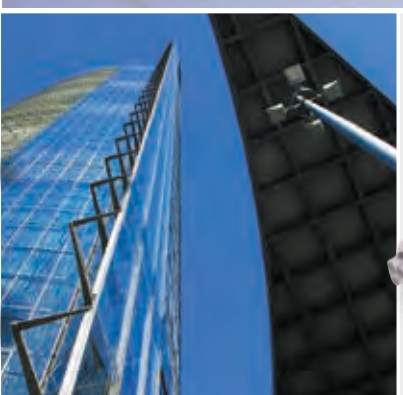
4 min.

Work steps:

- Attach the luminaire
- plug & play

Additional advantages:

- Touch-safe
- Straightforward cable layout
- Simple replacement of devices
- Easy expansions or modifications
- Re-usable
- Mechanical codings
- Integrated locking device and strain relief



Electrical installation with a system
A concept for all situations

Wieland, as the world market leader in the field of pluggable electrical installation, provides a consistently pluggable installation system: complex installations from the distribution board to each point of demand can be implemented with only four base components.

gesis®
IP20

1 **Connector (female + male) for the supply into the connector system**

INCOMING SUPPLY

– interface between conventional and pluggable installation

2 **Distribution blocks for power or signal distribution within the network**

DISTRIBUTION

3 **Pre-assembled cables for routing or supply of electrical power or signals**

ROUTING

4 **Device connections are directly integrated into the end devices and function as the interface to the connector system**

DEVICE CONNECTION

indoor

Transfer of the successful *gesis*® installation philosophy ...

RST®

IP66 / 68 (3m; 2h) / 69

Unique to the market thus far, Wieland transferred its successful *gesis*® installation philosophy to new outdoor applications and with it set new standards.

INCOMING SUPPLY

DISTRIBUTION

ROUTING

DEVICE CONNECTION

Degree of protection achieved:	
IP65	Jet water
IP66	Powerful jet water
IP67	Temporary immersion
IP68	Lasting immersion (3m; 2h)
IP69	High-pressure water jets

outdoor

... in areas with increased protection requirements

In many applications, electrical devices and systems must work safely under difficult environmental conditions for many years. For a reliable function, the ingress of water or foreign particles (such as dust, oil, and soot) into production systems, parking garages or outer premises must be avoided. Within the scope of the specified degree of protection the ***RST***® system even withstands unplanned immersion.

The system is not designed for permanent operation under water.

Overview of the fields of application

Power everywhere – safe and quick!

POWER CONNECTION FOR ELECTRICAL DEVICES

CONSTRUCTION POWER SYSTEMS

OUTDOOR LIGHTING

SYSTEM ENGINEERING

SOLAR TECHNOLOGY

EVENT TECHNOLOGY

OBJECT AND SHIP BUILDING

Complete system for industrial use
Connecting quickly and safely

SYSTEM ENGINEERING

The pluggable electrical installation also for industrial use

■ **The challenge:**

Whether individual applications or complex systems – the tasks are the same: electrical consumer devices must be connected quickly and safely.

Conventional installations do not meet these requirements. Cutting the cables to length, stripping the cable sheath and wire insulation, and finally connecting the components, are not only time-consuming operations, but frequently also cause errors and result in reworking. Cooperation of different trades (mechanical and electrical installation) during the setup of a system impedes the continuous progress of operations. This does not just apply to initial installations.

For expansions, regular servicing or replacement of defective devices, the same installation steps recur over and over again.

Possible applications:
– Motor connection (3~)
– Power distribution 250/400 V ~
– Power supply up to 50 V, bus
– Voltage supply 24 V, AS-i
– Workstation illumination
– Painting checks

■ **The solution:**

As a complete installation system, ***RST***® provides definite time savings during installation. The components are pre-assembled in the factory and simply plugged together in the field. Troublesome cutting to length, stripping of sheath and insulation, and connecting is now a matter of the past. Operational downtimes are thus clearly reduced. In the case of defective devices or regular servicing, the consumer devices can be disconnected from the network quickly. As an additional advantage the installer does not have to open the device for completion of the electrical connection, which means that incorrect assembly especially of water-protected devices can be excluded.

Pre-assembly in a separate location: The *RST*® installation system enables completely new possibilities. Entire system sections can be pre-assembled and tested independent of the location of operation. The individual modules are simply plugged together on site.

Cost reductions:

Connections in system sections are frequently over-dimensioned. This was not least due to a lack of alternatives. But this is where a major savings potential is provided.

The ***RST***® system counts on completely pre-assembled components which only have to be plugged in on site.

Making electrical devices pluggable

Device connectors function as an interface between the electrical consumer devices and the ***RST***® installation system. The consumer device becomes pluggable through the integrated device connector and can therefore be incorporated into the installation system as required.

The device connectors have been equipped with standard threads (M16 and M25) and can therefore be replaced easily by conventional feed-through facilities.

RST® MINI: (examples of application)

RST16i2	AS-i or 24 V
RST16i3	Power with ⏚
RST16i4	Power with ⏚ AS-i and 24 V
RST16i5	Power with ⏚

Compact and multi-distribution units

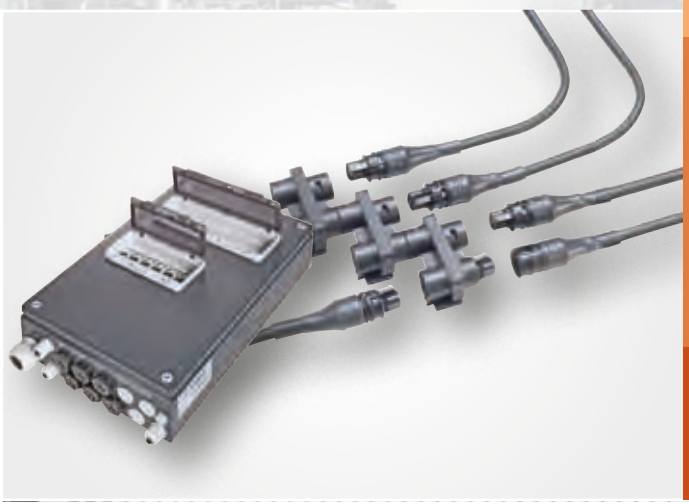
RST® CLASSIC: (examples of application)

RST20i2	AS-i or 24V
RST20i3	Power with ⏚
RST20i4	Power with ⏚ AS-i and 24V
RST20i5	Power with ⏚

Compact and multi-distribution units

RST® POWER: (examples of application)

RST50i4	Power with ⏚, without N
RST50i5	Power with ⏚



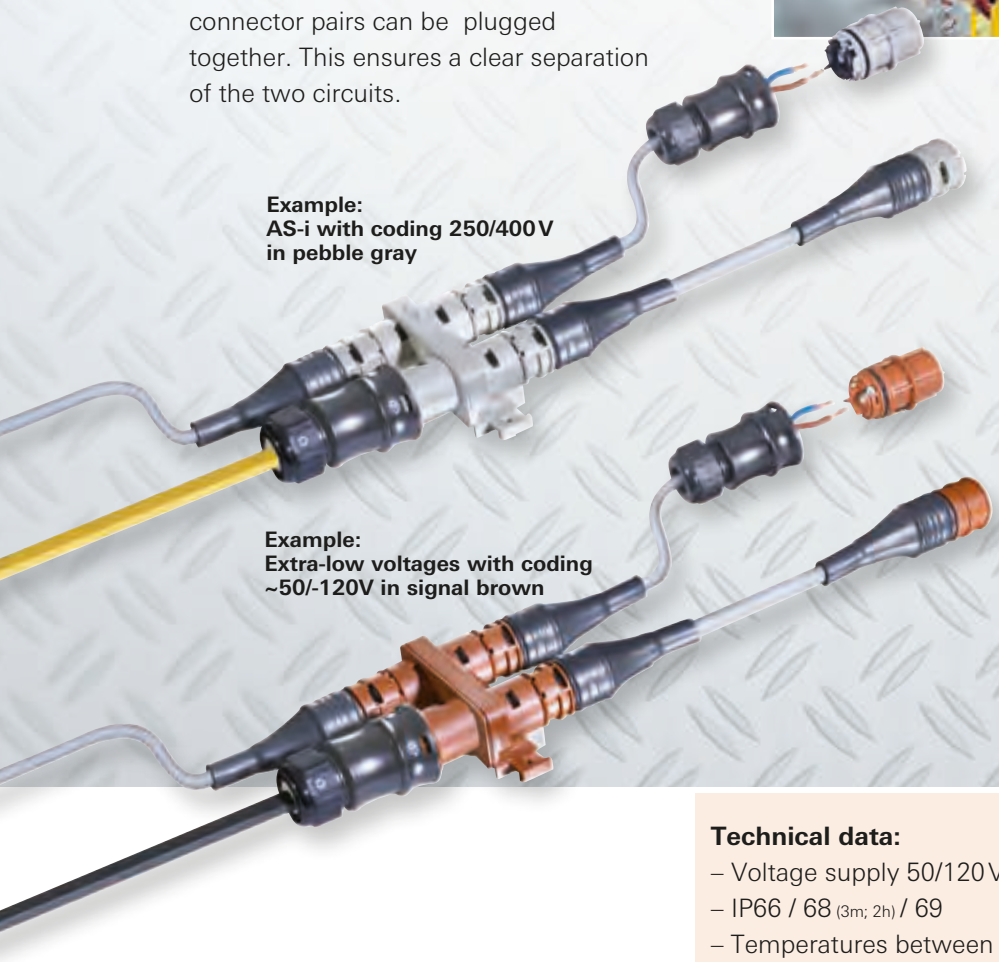
Rapid mounting system
Flexible and modular AS Interface

SYSTEM ENGINEERING

Separate routing of AS-i and extra-low voltage

AS-i and extra-low voltage up to ~50/-120 V

It is possible to select an individual mechanical coding for each circuit. Mechanically coded means that only the matching male and female connector pairs can be plugged together. This ensures a clear separation of the two circuits.



Example:
AS-i with coding 250/400 V in pebble gray

Example:
Extra-low voltages with coding ~50/-120V in signal brown

Four basic components for a consistent installation:

- Connectors can be pre-assembled on site and are available either for connection of a round cable or of the AS-i profile cable.
- Distribution blocks enable distribution of electrical power and signals throughout the network.
- Pre-assembled cables are available in various lengths and designs and are used for the routing and supply of auxiliary power / signals.
- Device connections are directly integrated into the end devices and function as the interface to the connector system.

Technical data:
– Voltage supply 50/120 V, 20 A
– IP66 / 68 (3m; 2h) / 69
– Temperatures between -40 and +100° C
– Screw connection 0.5 – 4.0 mm²

Common laying of AS-i and 24 V (example of application)

AS-i and 24 V combined in one cable

Until now AS-i and 24 V have normally been laid separately, but can now be combined and installed in a 4-pole version, too.

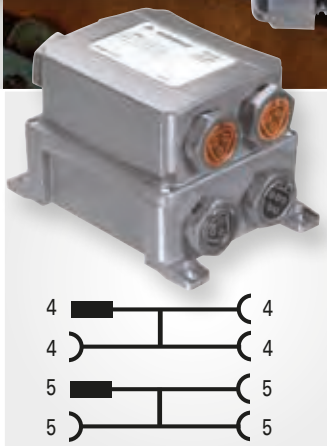
The highest level of flexibility

The rapid mounting system provides the decisive advantage particularly for the increasingly modular design in function modules. Depending on the application you can switch between the low-cost round cable and the AS-i profile cable as required. Everything is pluggable – for the user, this means top flexibility and at the same time quick and reliable installation.

RST® MINI: (Sample applications)
RST16i2 AS-i or 24 V
Compact and multi-distribution units

RST® CLASSIC: (Sample applications)
RST20i2 AS-i or 24 V
RST20i4 AS-i and 24 V
Compact and multi-distribution units

Distribution unit AS-i/24 V



Distribution unit AS-i/24 V and power

RST®CLASSIC
Pluggable electrical installation with ATEX, IECEx certification

SYSTEM ENGINEERING

Used in different industries

Definition of explosive hazardous areas

When talking about explosive hazardous areas, everybody thinks of the chemical industry or mining. However, explosion protection is an important topic for many sectors of the processing industry. In some cases, even carpenter's workshops and industrial bakeries may be affected. Special explosion protection measures are necessary wherever a dangerously high concentration of gas/air or dust/air mixtures occurs.

Areas where a potentially explosive atmosphere is possible must be clearly identified as explosive hazardous areas.

Explosive hazardous areas are often divided into zones according to the frequency and duration of potentially explosive atmospheres.

The requirements for devices used in these areas are correspondingly high.

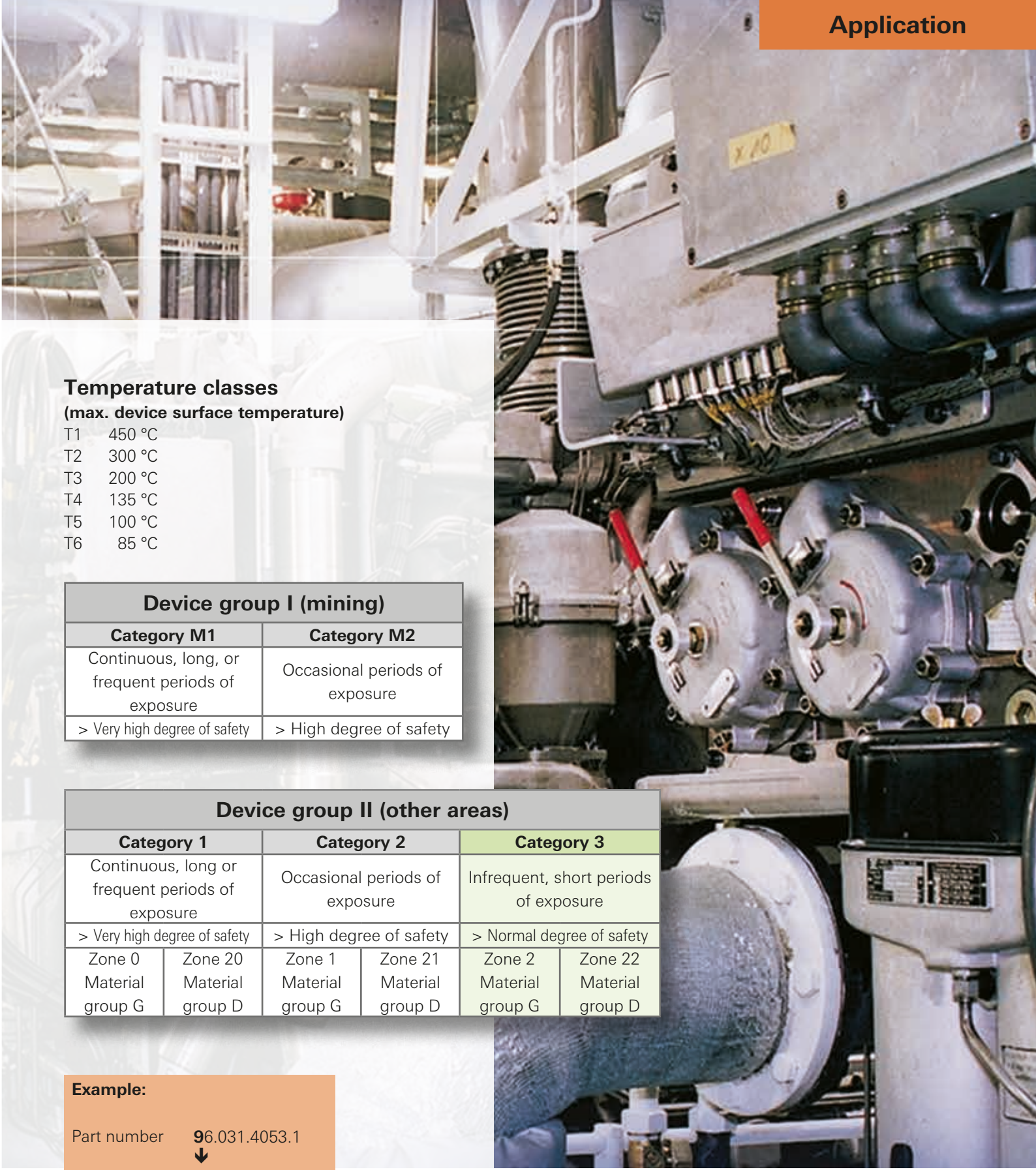
Coding:

Electrical connectors and equipment connections:
- CE1258 Ⓔx II 3G Ex ec IIC T6 Gc
- CE1258 Ⓔx II 3D Ex tc IIIC T85 °C Dc
- IECEx SEV 15.0024 X
- SEV 07ATEX0110X

With cable assembly H05VV-F:
- CE1258 Ⓔx II 3G Ex ec IIC T6 Gc
- CE1258 Ⓔx II 3D Ex tc IIIC T70 °C Dc
- IECEx SEV 15.0024 X
- SEV 07ATEX0110X

With cable assembly H07RN-F:
- CE1258 Ⓔx II 3G Ex ec IIC T6 Gc
- CE1258 Ⓔx II 3D Ex tc IIIC T60 °C Dc
- IECEx SEV 15.0024 X
- SEV 07ATEX0110X

Please note the current rating reduction
– when using H07RN-F cables:
2- and 3-pole 1.5 mm² – max. 14.5 A 2.5 mm² – max. 17.5 A
4- and 5-pole 1.5 mm² – max. 12.5 A 2.5 mm² – max. 17.0 A
– when using the splitter connection:
2-, 3-, 4- and 5-pole 1.5 mm² – max. 16 A
and when using the distribution blocks 2- and 3-pole with a cable cross section of 2.5 mm² to max. 17.5 A



Temperature classes

(max. device surface temperature)

T1	450 °C
T2	300 °C
T3	200 °C
T4	135 °C
T5	100 °C
T6	85 °C

Device group I (mining)	
Category M1	**Category M2**
Continuous, long, or frequent periods of exposure	Occasional periods of exposure
> Very high degree of safety	> High degree of safety

Device group II (other areas)					
Category 1		**Category 2**		**Category 3**	
Continuous, long or frequent periods of exposure		Occasional periods of exposure		Infrequent, short periods of exposure	
> Very high degree of safety		> High degree of safety		> Normal degree of safety	
Zone 0 Material group G	Zone 20 Material group D	Zone 1 Material group G	Zone 21 Material group D	Zone 2 Material group G	Zone 22 Material group D

Example:

Part number **9**6.031.4053.1

↓

X6.031.4053.1

To obtain the part numbers for the components with ATEX certificate, the first digit of the regular part number „9“ must be replaced with an „X“.
The minimum order quantity is 100 units per part.

ATEX sample kits
3-pole: 99.663.0000.0
5-pole: 99.664.0000.0

podis® flat cable power bus

Remote power distribution without stripping

SYSTEM ENGINEERING

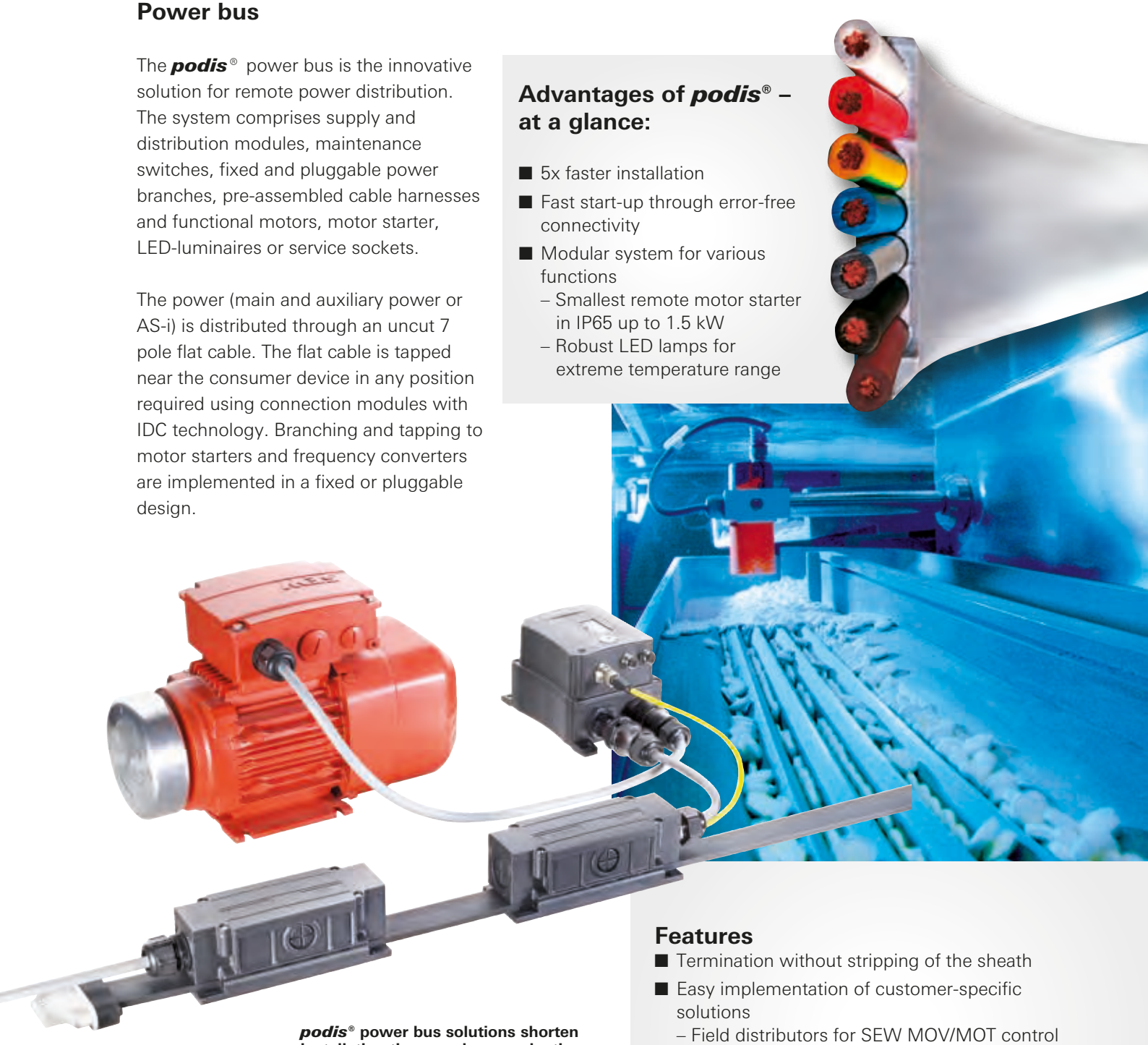
Power bus

The ***podis***® power bus is the innovative solution for remote power distribution. The system comprises supply and distribution modules, maintenance switches, fixed and pluggable power branches, pre-assembled cable harnesses and functional motors, motor starter, LED-luminaires or service sockets.

The power (main and auxiliary power or AS-i) is distributed through an uncut 7 pole flat cable. The flat cable is tapped near the consumer device in any position required using connection modules with IDC technology. Branching and tapping to motor starters and frequency converters are implemented in a fixed or pluggable design.

Advantages of *podis*® – at a glance:

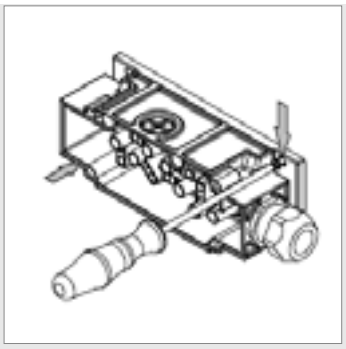
- 5x faster installation
- Fast start-up through error-free connectivity
- Modular system for various functions
  - Smallest remote motor starter in IP65 up to 1.5 kW
  - Robust LED lamps for extreme temperature range



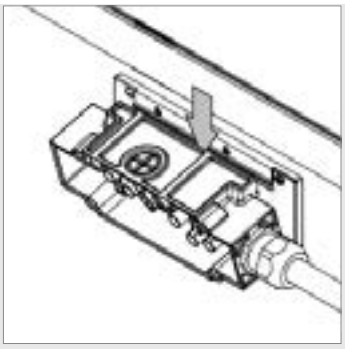
podis® **power bus solutions shorten installation times, reduce production costs and increase flexibility during system expansions or later modifications to the planning.**

Features

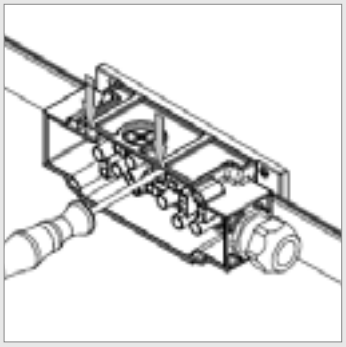
- Termination without stripping of the sheath
- Easy implementation of customer-specific solutions
  - Field distributors for SEW MOV/MOT control
  - Remote motor starters for airports and logistics applications
  - LED emergency lamps for wind power plants
- UL approval for international applications



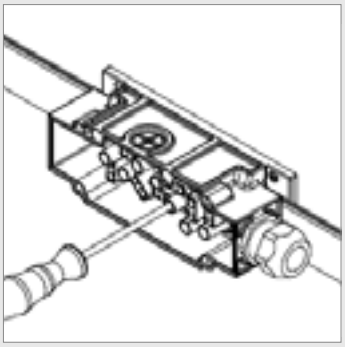
Wall mounting
Open the housing



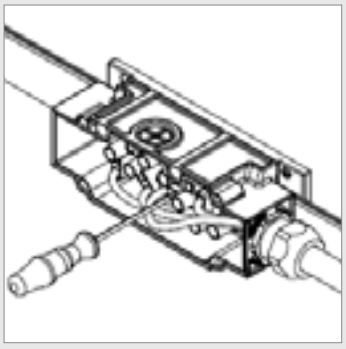
Insert coded flat cable



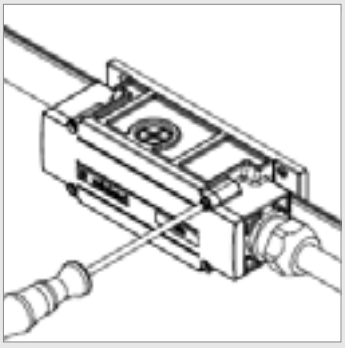
Close the top piece
Cable is sealed



Screw in penetrating screws



Connect outgoing cable



Close housing cover – finished!

Further information
can be found in the
catalog *„podis“*
order no. 0830.1

The safe path into the grid
The AC Solar connector system

SOLAR
TECHNOLOGY

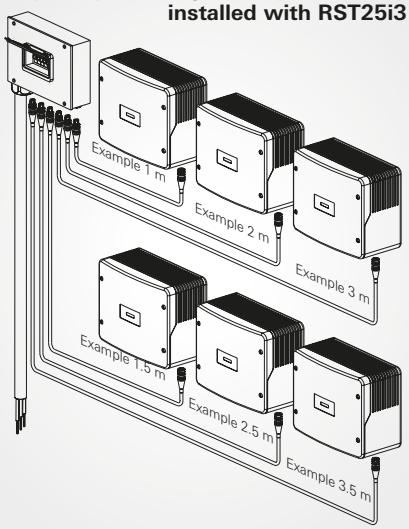
■ The challenge:

The extraordinary benefits of a pluggable electrical installation have been restricted to the DC side of photovoltaic systems thus far. The connection on the grid side still had to be made in the time-consuming conventional way.
When several inverters are used within an array, the high installation effort becomes apparent.

■ The solution:

With its new AC Solar round connector system, Wieland provides an optimum solution for the AC area. Pre-assembled components with an increased degree of protection ensure a quick and safe installation even under the most adverse conditions.
The system includes distribution panels which are delivered in a pre-assembled design, and cable assemblies for the connection between the inverters and the distribution panels.
The system is supplemented by connectors for assembly on site.
Leading inverter manufacturers pre-assemble their devices with the relevant connectors, the interface to the system, in their factories.

Example: System segment up to 30 kWp, installed with RST25i3



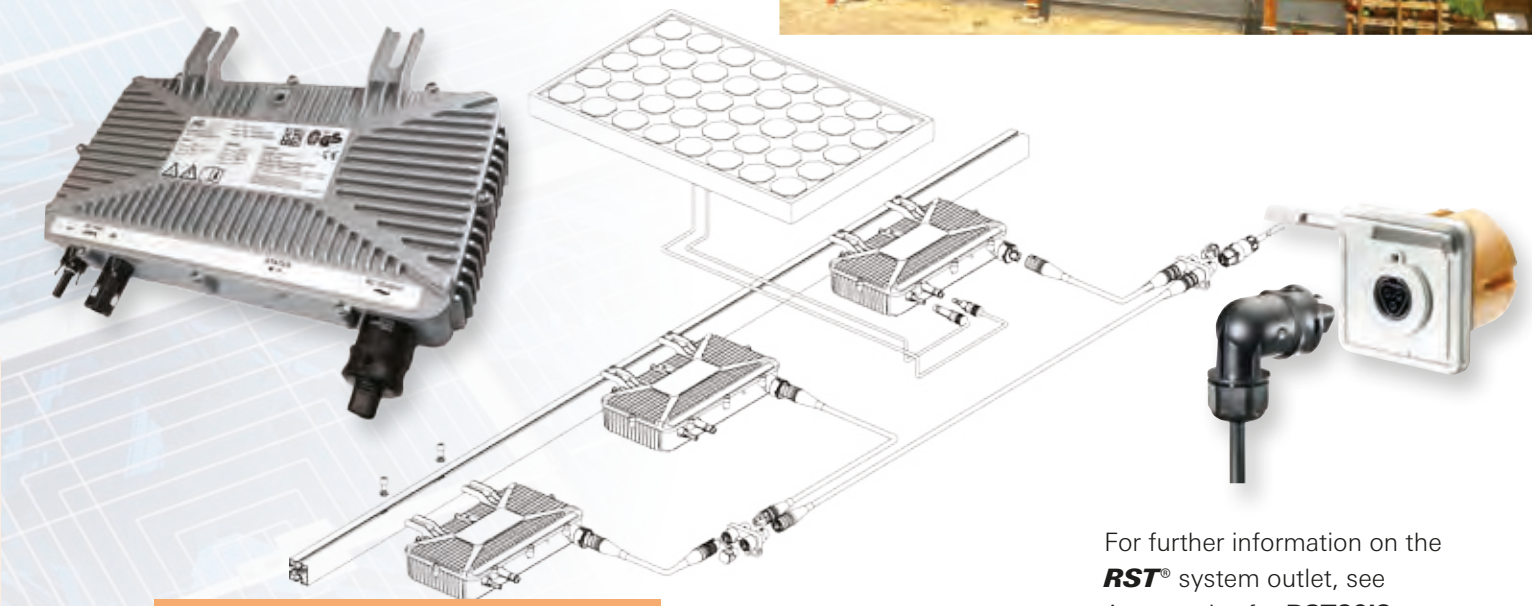
Other fields of application

- Emergency power supply through batteries (in buildings or systems)
- Transformation of on-board voltage (cars, trucks, railroad, caravans, boats)
- Metal working
- Power generation (fuel cell, wind power plants, photovoltaic systems)

More and more manufacturers recognize this positive trend and offer their devices with *RST*® connectors.

■ Solar systems for the home grid

Mobile solar systems for private use are extremely popular. These systems consisting of solar modules and module inverters do not – as usual – feed the solar power into the power supply system as per the Renewable Energies Law (EEG), but provide the energy directly to the users in the own home grid.
The ***RST***® installation system is set up in next to no time while fulfilling highest safety requirements. The new ***RST***® system outlet serves as a defined interface between the home grid and the solar system.



For further information on the ***RST***® system outlet, see Accessories for **RST20i3** or **RST20i5.**

RST® MINI:

RST16i3	Single-phase supply
RST16i5	Three-phase supply

RST® CLASSIC:

RST25i3	Single-phase supply (up to 32A)
RST25i5	Three-phase supply

RST® system outlet

RST® POWER:

RST50i4	Three-phase supply (without N)
RST50i5	Three-phase supply

The ***RST***® MINI series is particularly suitable for confined installation spaces and therefore ideal for MICRO inverters.

The ***RST***® CLASSIC series has the vastest portfolio and is designed for cross sections of up to 6.0 mm².

The ***RST***® POWER series combines the best possible connection capabilities with the highest possible degree of compactness. The 4- and 5-pole IP 66/67/69 connectors and device connections are designed for 250/400 V and a maximum current of 50 A. The wire range includes cross sections up to 16 mm².

The flexible electrical installation

Construction site supply during structural works

CONSTRUCTION POWER SYSTEMS

■ **The challenge:**

Time pressure in the project business is greater than ever: it is therefore even more important that all processes function and are attuned to one another without a problem.
The construction power systems make a major contribution, as they ensure the supply of electrical power during structural work. The requirements for such construction site supply systems are extremely high. On the one hand, they must withstand extreme conditions, and on the other hand, provide as much flexibility as possible.

■ **The solution:**

Only three base modules are required to implement even complex installations in no time and according to the requirements. The pre-assembled cables are at the core. They are ready for use in all required lengths and can be installed as required. Distribution components furthermore enable the distribution of power to the relevant location.
And finally, there are the luminaires. They have been equipped with device connectors and can be integrated into the installation by simply plugging them in.

The benefits at a glance:

■ Low investment requirements

All connection cables have been pre-assembled and tested. With the available range of device connectors almost any standard luminaires can be made pluggable. Therefore, the luminaire manufacturers can easily integrate them into their products.

■ Low stock requirements

In contrast to the luminaires with a fixed connection cable, these luminaires can easily be stockpiled due to their pluggability. Transport becomes easier as well. The cables are stored separately. There are only a few different cable types, as the same lengths can be cascaded.

■ Easy handling

The luminaires can be assembled easily on the construction site, as the electrical connection is made after the luminaires have been installed. Due to the compact dimensions of the pluggable components, the cables can be laid out much more flexibly, as small bore holes or knock-outs are no obstacle.

■ High operational safety

The power supply system at the construction site cannot be used by third parties (unrelated trades), as the construction machines are normally not equipped with ***RST***® connectors. Its high degree of protection prevents any failure, even with short-term flooding of the connections.

RST® CLASSIC:

RST20i3 Power 3-pole

RST20i5 Power 5-pole

RST® POWER:

RST50i5 Power 5-pole

Pluggable solutions for event technology

Outdoor installations – no longer an adventure

EVENT TECHNOLOGY

■ The challenge:

Decorative illuminations during Christmas time or for other major events are extremely popular today. The possibilities for creating pleasant atmospheres or spotlighting objects are almost unlimited. But what happens behind the scenes? Standard outlets, carefully packed in PET bottles, or simply wrapped in a plastic bag – this is often common practice (not just in secrecy).
Apart from the fact that improvised solutions like that are questionable in view of safety technology, they are not aesthetically appealing at all. The fact is that there hasn't been an alternative up to now.

■ The solution:

The solution is a system which is suitable for outdoor use without additional protection measures: ***RST***®.
Consistently pluggable, and with high protection degree ***RST***® enables the outdoor connection of, for example, luminaires quickly and safely. Special attention was put on the design in order to make it match inconspicuously with the existing installation.

RST® MINI:

RST16i3/2	2- and 3-pole
RST16i5/4	4- and 5-pole

RST® CLASSIC: (Sample applications)

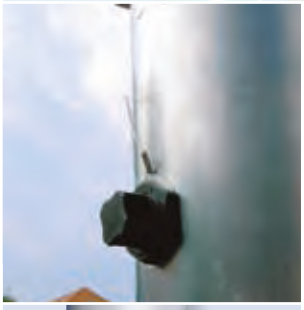
RST20i2	Protection class II
RST20i3	Power with ⏚

Connectors for illumination cables:
Customary illumination cables can be integrated into the installation through special 2-pole connectors with the corresponding rectangular strain relief. This applies to applications in the professional as well as in the private sector.

The connectors are protected against accidental loosening; they can be unlatched with a tool only. This is a considerable plus in safety for places that are generally accessible. For protected areas (that are only accessible by experts), the connectors can be equipped with a manual disconnect facility for easy disassembly.

Post outlet:
The post outlet is simply integrated into existing posts and thus ensures the power supply. It even provides minimal dimensions and optimum weather protection. The post outlet consists of a splash-water-protected device connector which is mounted directly on the post, as well as a firmly connected cable in various lengths for internal wiring.

The cable is strain-relieved and the contacts are protected against condensation.
The protective cover is removed and the decorative component is plugged in with the corresponding flexible light tube – plug & play!








Event technology (project lighting, festivals, leisure parks, fairground rides, exhibitions, concerts, light advertisements)

Post outlet
2-pole (L, N) and
3-pole (L, N, ⏚)

Application

RST® MINI:

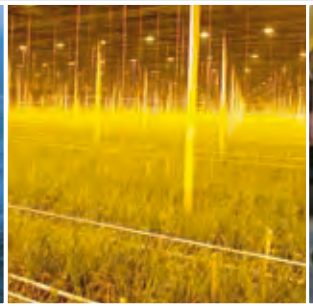
RST16i3/2	2- and 3-pole
RST16i5/4	4- and 5-pole

RST® CLASSIC: (Sample applications)

RST20i2	Protection class II
RST20i3	Power with ⏚
RST20i5	Power with ⏚

RST® POWER: (Sample applications)

RST50i5	Power with ⏚



For requirements with increased protection degree
RST® installation systems provide safety

OBJECT AND SHIP BUILDING

The benefits at a glance:

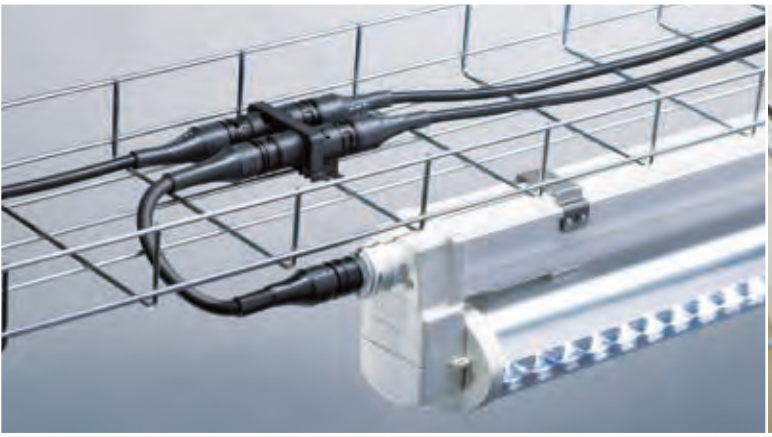
- **Installation up to date:**
  The ***RST***® installation system and its sophisticated concept mirror the state of the art in modern technology.
- **Reduced construction times (initial installation):**
  An installation with ***RST***® reduces the costs not only for initial installations. Even short-term reorganization can be carried out without a problem. This is enhanced by the guarantee of continuous installation quality.
- **Continuous operational cost savings:**
  Maintenance costs and repair during operation are possible even under more difficult work conditions (architecture).
- **Safe power distribution:**
  The new compact and multi-distribution units are the heart of pluggable electrical installation and can also be customized.

■ The challenge:

Whether in underground garages, greenhouses or in shipbuilding: electrical installations with increased requirements regarding the degree of protection can be found everywhere. Especially in these fields, it is extremely important that the electrical installation is carried out by an expert. But how does it work in practice? Difficult installation conditions and extreme time pressure often lead to errors, loss of protection and finally to the failure of the system.

■ The solution:

The idea is as easy as it is brilliant. An extensive network of components pre-assembled in the plant and most carefully tested enables a consistently pluggable solution from the distributor to the point of use. This saves time and reduces the costs!







plug & play in outdoor applications
Electrical installations using the "modular system"

OUTDOOR LIGHTING

■ The challenge:

Expert workmanship plays a major role particularly for electrical installations outdoors. Difficult installation conditions and high time pressure often cause errors, loss of the protection degree and finally failure of the system.

Unfortunately customers often send their complaints about such cases to the luminaire manufacturer and are left with a bad impression.

■ The solution:

As a complete installation system, ***RST***® is optimally adapted to these increased requirements. It is very flexible in its application and has proven technology at its disposal. Luminaires can thus be delivered in a pre-assembled design. They only have to be plugged in on site. The connectors are also touch-safe when they have not yet been plugged in; they provide a locking device against accidental loosening.

The possibility of connecting almost all customary cable types (also underground cables), as well as the IP68 protection degree make the ***RST***® connector a strong partner for outdoor lighting.

It is not possible to lay the components directly in the ground. In order to satisfy VDE 0100-520 the connections must be protected mechanically in addition and must be accessible for inspection, testing and maintenance.

Connectors:

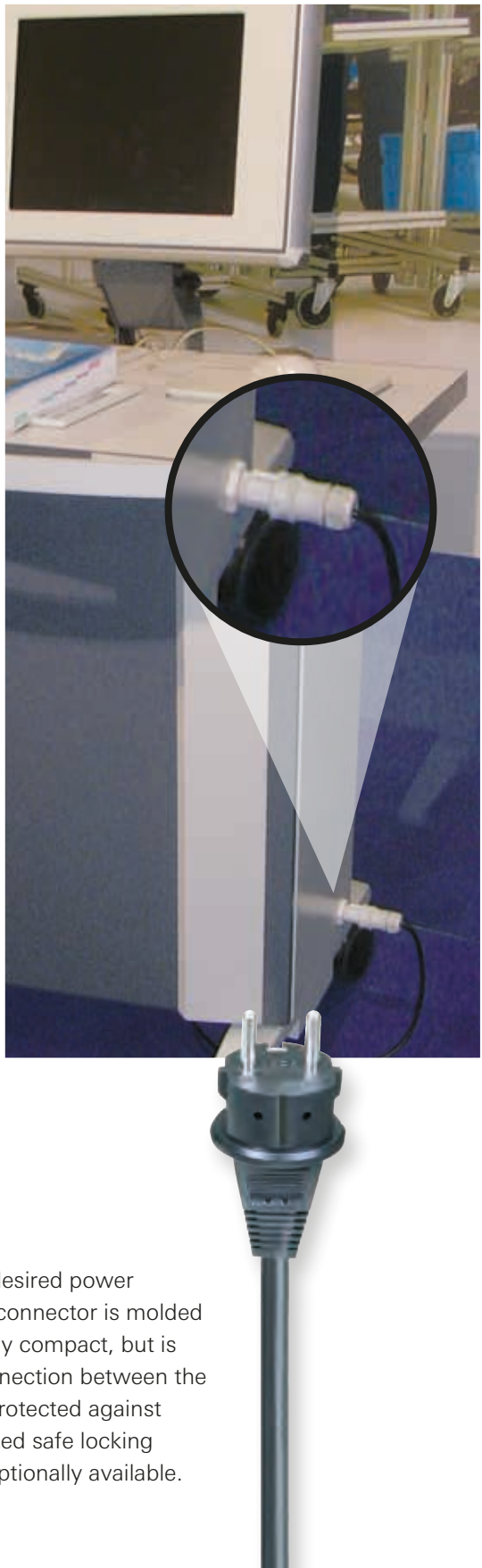
For the various luminaire types, power connectors for 250V and low-voltage connectors for LED technology are available. These are mechanically coded and can therefore not be mismated.
This provides additional safety.

RST® MINI:
RST16i3/2 2- and 3-pole
RST16i5/4 4- and 5-pole

RST® CLASSIC: (Sample applications)
RST20i2 Protection class II, low voltage
RST20i3 Power 3-pole
RST20i5 Power 5-pole

Export-oriented solutions for all nations
International operations with *RST*® connectors

POWER CONNECTION FOR ELECTRICAL DEVICES



■ **The challenge:**

Particularly the export-oriented countries must offer their products in country-specific variations. The products frequently differ only by their power connectors. Stockage of country-specific product variations has, not least, an adverse impact on delivery times and warehouse costs.

■ **The solution:**

Power connections are made pluggable: one end is pre-assembled with the appropriate national power connector, while the other end always has the same ***RST***® connector. Consequentially, the relevant end devices are equipped with ***RST***® device connectors, independently of the country. Thus country-specific power connections are available to you. The connection set required for the target country is simply included in the delivery. This simplifies stockkeeping for particularly export-oriented products.

■ ***RST***® **power connectors:**

The cables are pre-assembled with the desired power connector*) on the grid side. The ***RST***® connector is molded to the device side. It is not only extremely compact, but is also protected against bending. The connection between the device and the pre-assembled cable is protected against accidental loosening through an integrated safe locking device. A manual disconnect facility is optionally available.

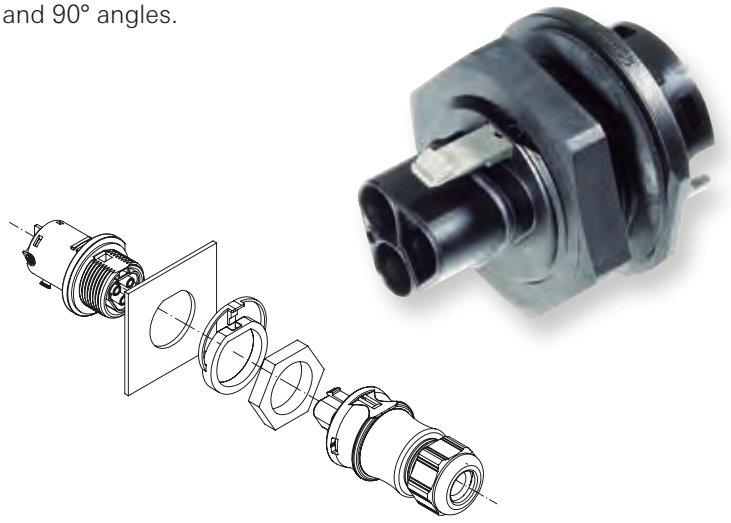
*) available on request

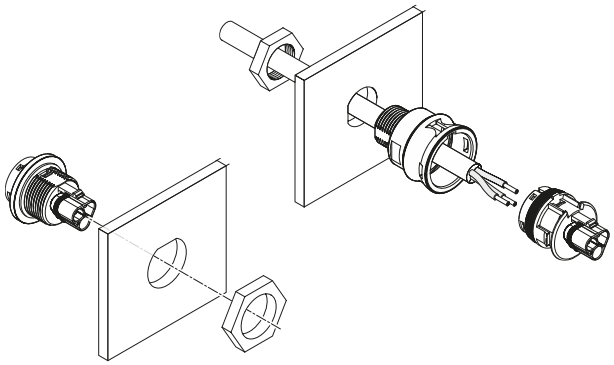
DEVICE CONNECTORS

Device connectors are integrated into the relevant housing knock-outs and function as an outward interface.

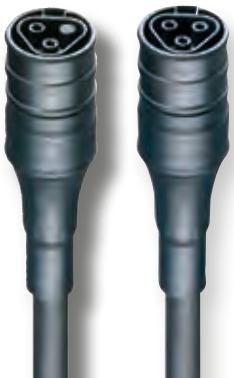
There are basically two variations: the single-piece **M25 standard device connectors (one-piece)** are simply installed inside the housing.

The **modular device connectors (two-piece)** are available in M16, M20 and M25 variations as well as in 0°, 7° and 90° angles.





On request, we can also realize intermediate angles ranging between 0° and 90° in order to provide a solution for specific housing geometries.



RST® CLASSIC: (Sample applications)

RST20i2	Protection class II
RST20i3	Power with ⏚

For a plug connector that is not enclosed, protection against electric shocks is provided by the housing of the equipment in which the connector is installed, in accordance with the applicable product safety standard.

Consistently pluggable solutions for outdoor installations

- Wireless distribution units
- Current and voltage sources
- Series and parallel distribution
- Distribution units with integrated fine fuses
- Distribution units with integrated grounding outlet

plug & play in outdoor applications
Solutions for most demanding requirements

RST® MINI:

RST16i3/2	2- and 3-pole
RST16i5/4	4- and 5-pole

RST® CLASSIC: (Sample applications)

RST20i2	Low voltage, parallel and series distribution units
RST20i3	Power 3-pole

Compact and multi-distribution units

RST® POWER: (Sample applications)

RST50i4/5	Power with ⏚

Pluggable 3 D distribution units
More than just distribution!

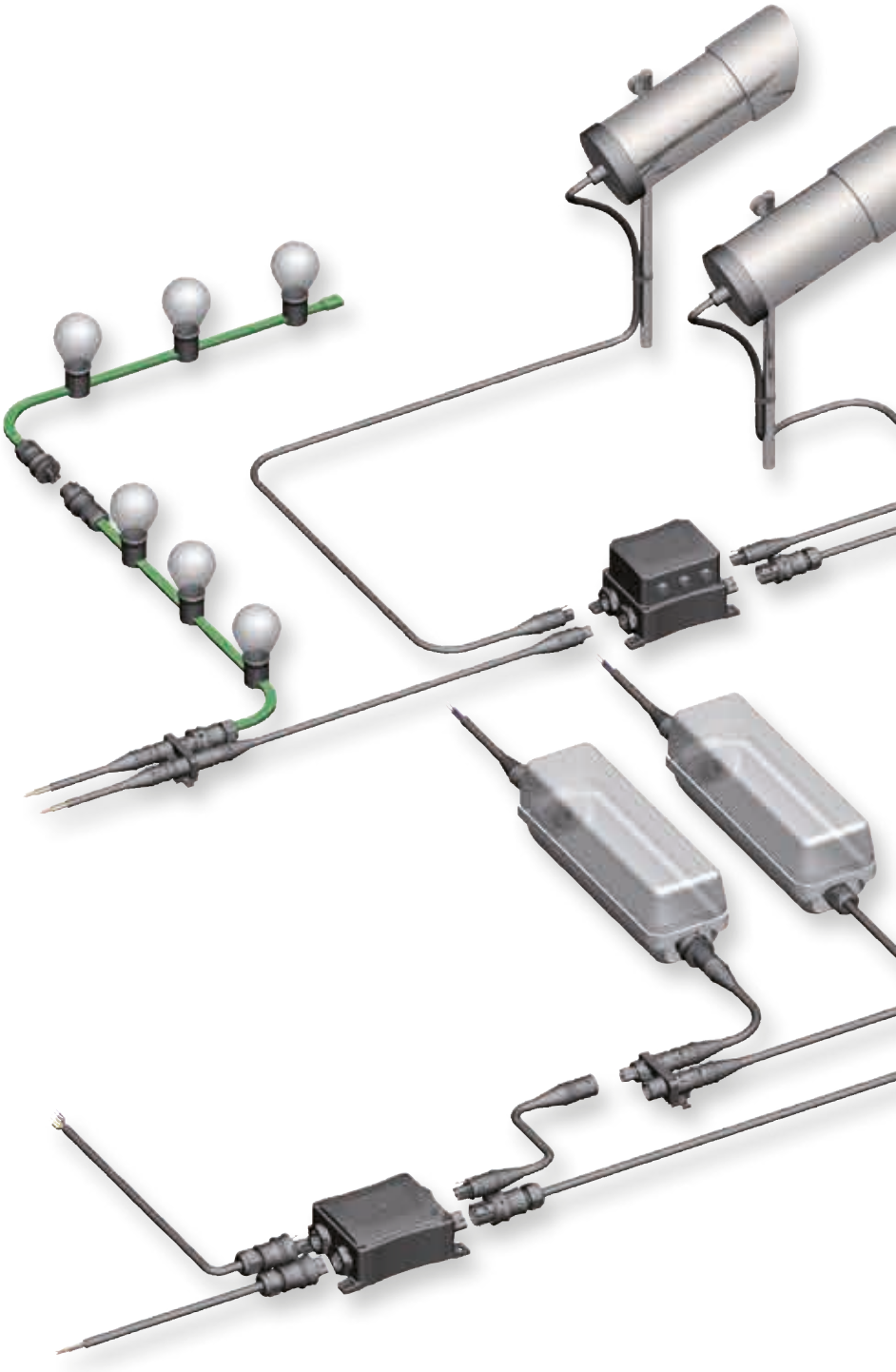
The *RST*® compact distribution unit – more than just distribution!

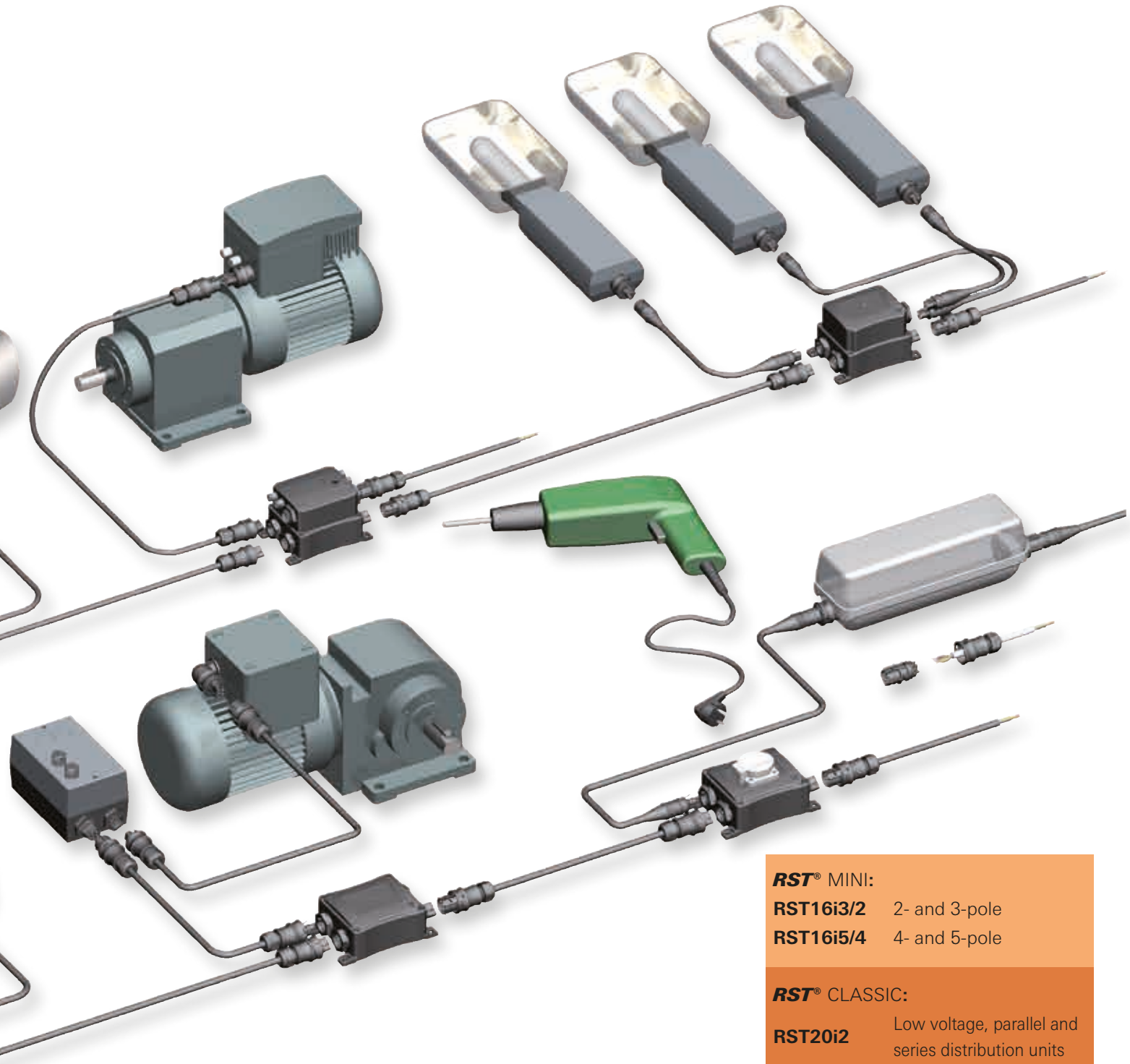
Installations differ from one another. This makes it even more important that the product range is oriented towards the application requirements. A clear separation of different circuits using mechanically coded connectors is as important as pre-assembled cables in various defined lengths.

However, the pluggable distribution units play a major role in power distribution. In their simplest function, they merely have to provide branches in the required locations.

Practice shows, however, that the requirements may be much more complex.

Examples can be found in AC and DC wiring through distribution units with fine fuses up to boxes with integrated safety outlets or switches.





RST® MINI:

RST16i3/2 2- and 3-pole

RST16i5/4 4- and 5-pole

RST® CLASSIC:

RST20i2 Low voltage, parallel and series distribution units

RST20i3 Power 3-pole

Compact and multi-distribution units

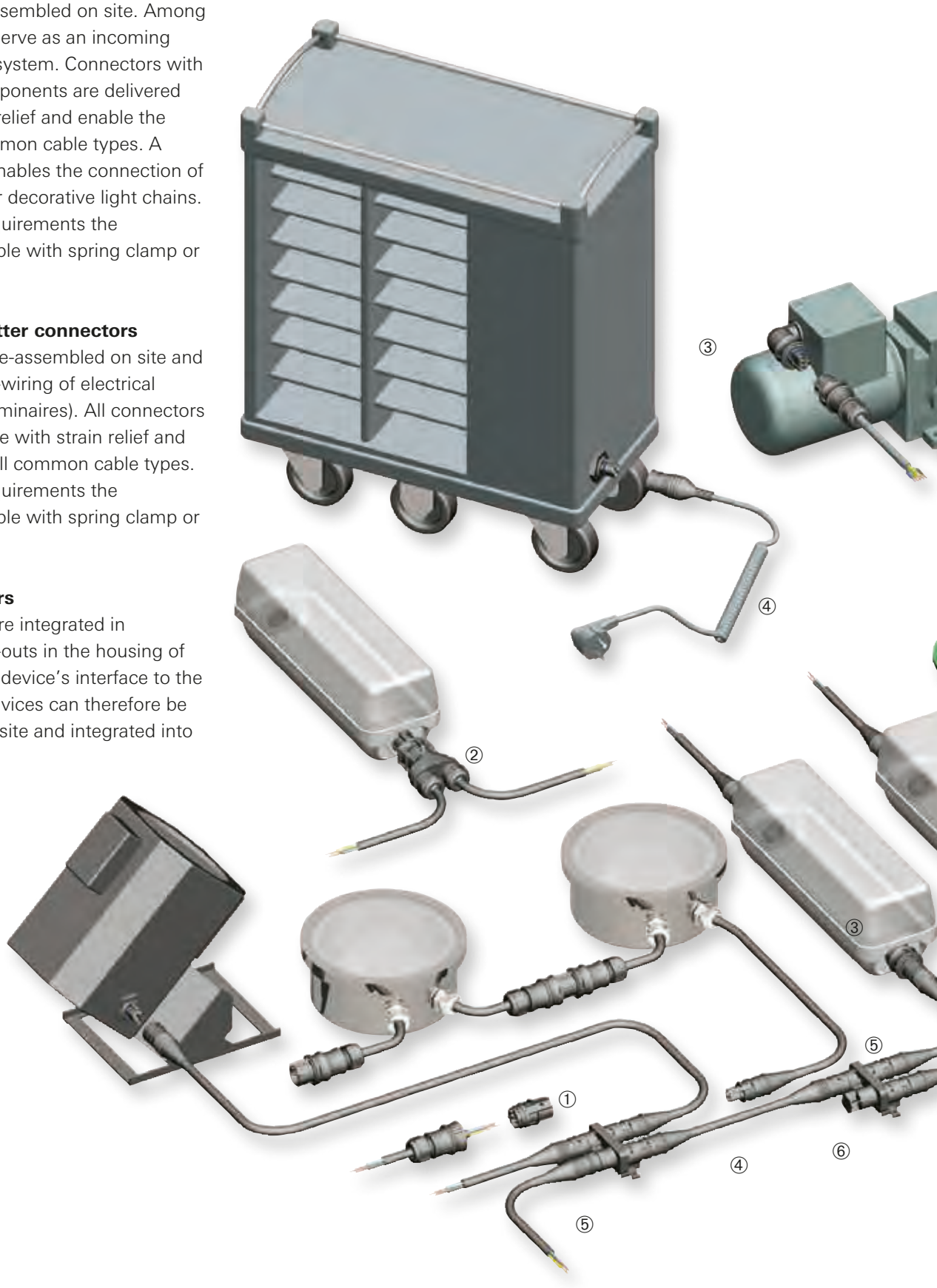
RST® POWER: (Sample applications)

RST50i4/5 Power with ⏚

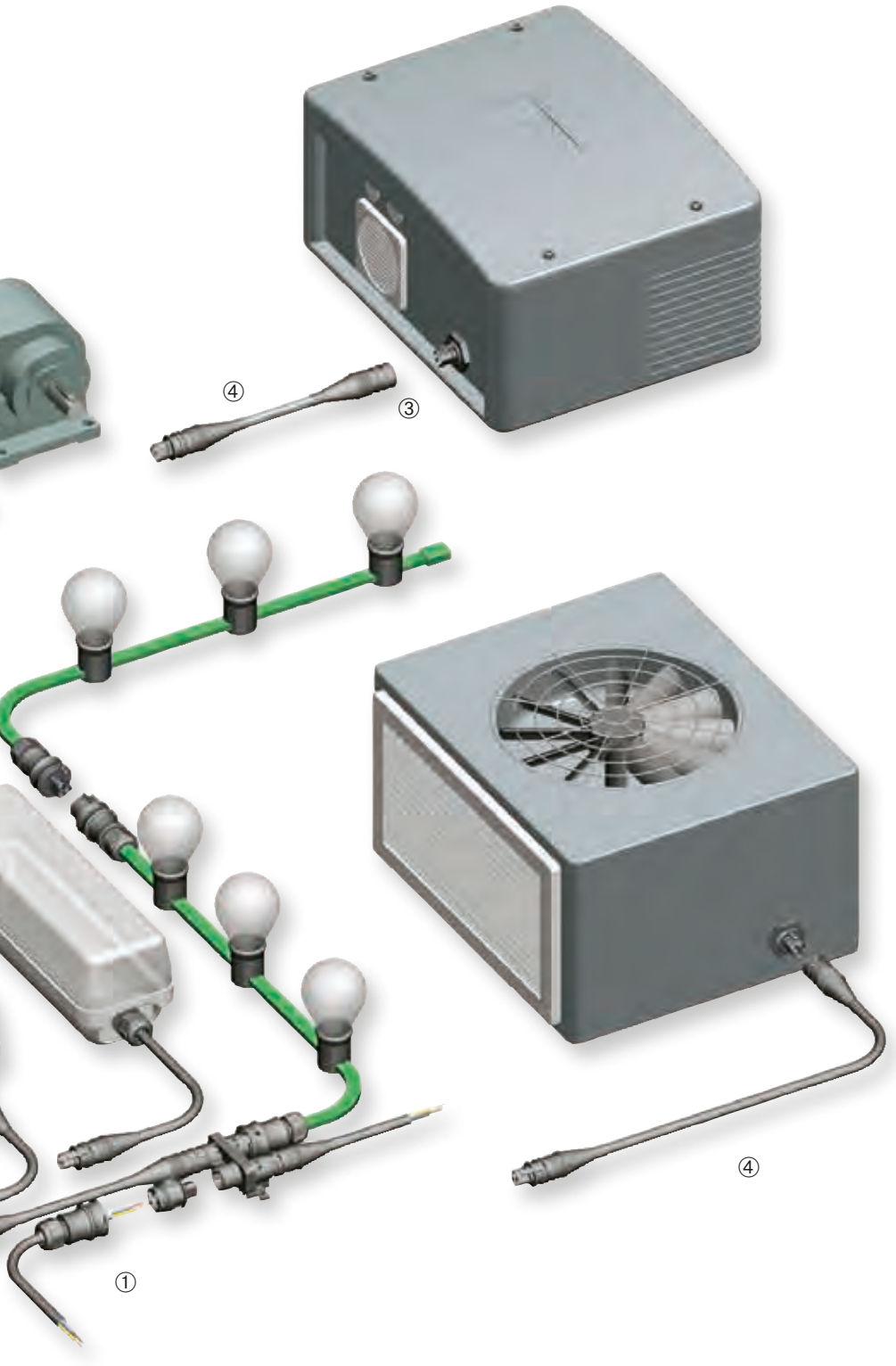
① **Connectors**
Connectors can be assembled on site. Among other functions they serve as an incoming supply for the ***RST***® system. Connectors with male and female components are delivered complete with strain relief and enable the connection of all common cable types. A special version also enables the connection of illumination cables for decorative light chains. Depending on the requirements the connectors are available with spring clamp or screw technology.

② **Connectors, Splitter connectors**
Connectors can be pre-assembled on site and serve for the through-wiring of electrical consumer devices (luminaires). All connectors are delivered complete with strain relief and are compatible with all common cable types. Depending on the requirements the connectors are available with spring clamp or screw technology.

③ **Device connectors**
Device connections are integrated in corresponding knock-outs in the housing of devices. They are the device's interface to the ***RST***® system. The devices can therefore be plugged in simply on site and integrated into the installation.



System description
Overview of the electrical installation *RST*®



Basically two variations are available: the M25 standard device connector as well as a modular version with M16 or M20 connection threads. An angled design completes the system.

④ Cable assemblies
Electrical power is supplied by using cable assemblies. Three basic versions are distinguished: power connection cables provide the incoming supply of the ***RST***® system. They have been prepared for a traditional connection or with a standard plug on the supply side and are pre-assembled with the required female connector on the outgoing side. Extension cables are pre-assembled with a female or male connector on the relevant cable ends, and serve as feed-through wiring. The connection cable is pre-assembled with a male connector and a free end for wiring to the consumer device.

⑤ Distribution blocks
The pre-assembled plug-in distribution blocks are incorporated in the installation and thus enable a tap-off to the consumer devices. The distribution block is available with or without mounting flanges.

⑥ End caps
They are used to safely cover unused contacts. The IP protection is therefore maintained when the device is unplugged.

Overview of the RST® product family
Pluggable in many dimensions

Since being launched, the **RST®** installation system has consistently met market demands and now presents itself as a complete electrical installation system. Four series are available to meet different requirements:

NEW

RST® MICRO

The miniature connector for LED lamps, signals and networks
2- to 3-pole design,
250V/400V, 8A

RST® MINI

The small connectors for extremely confined spaces
2- to 5-pole design,
250V/400V, 16A

RST® CLASSIC

All-rounders with the most comprehensive portfolio
2- to 7-pole design,
250/400V, 20 – 32A

New 7-pole

RST® POWER

High-current connectors for large cross-sections
4- to 5-pole design,
250/400V, 50A

Also on our You Tube channel

YouTube

RST® MICRO

RST® MINI

RST® CLASSIC

RST® POWER

All installation connectors have one thing in common: They are innately fitter-friendly and adhere strictly to the system philosophy. Complex installations can be built flexibly, and consumers can simply be plugged into the installation. Mechanical codings within the product lines ensure a clear distinction between different circuits. This practically rules out incorrect connections.

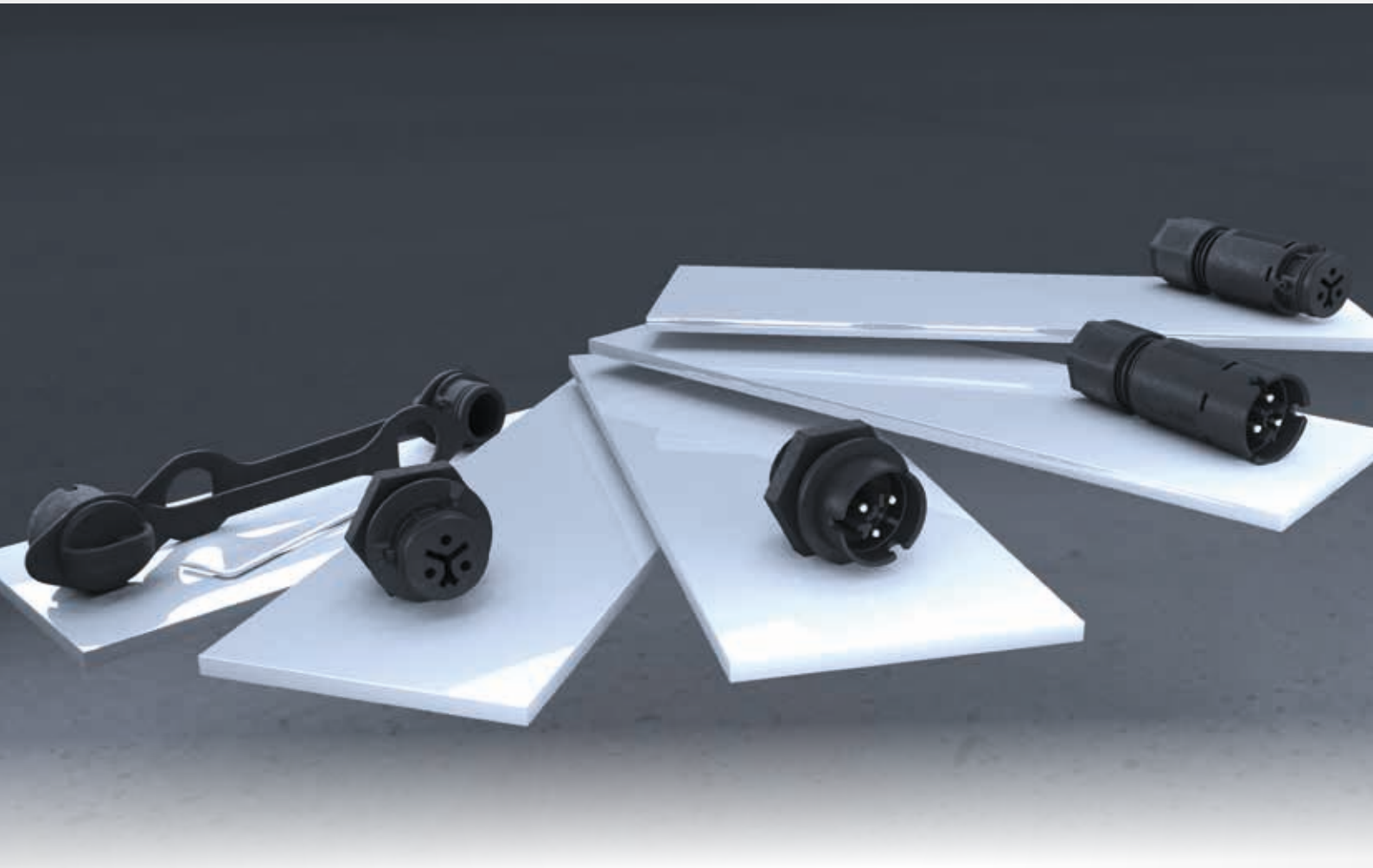
RST® MICRO
The miniature connector for LED lamps and signals

The **RST**® MICRO is optimized for the interfaces between voltage or current sources and LED modules, and is also the ideal solution for dimming or DMX applications. Thanks to its rated values, network applications are no problem either. The **RST**® MICRO installation system comprises connectors, M14 device connectors, pre-assembled conductors and splitters.

Rated voltage:	250/400 V
Rated current:	8 A
Dimensions:	Diameter: 14.9 mm; Length: approx. 40 mm
Number of poles:	2 and 3
Connection cross section:	Single-stranded 0.2 mm² - 1.0 mm² fine-stranded 0.22 mm² - 0.75 mm²
Protection rating:	IP66/68 (3m; 2h)/69, barrier seal optional
Coding:	Mechanical and color for low voltages and networks
Approvals pending:	VDE, cULus, LR, GL/DNV, BV, RINA

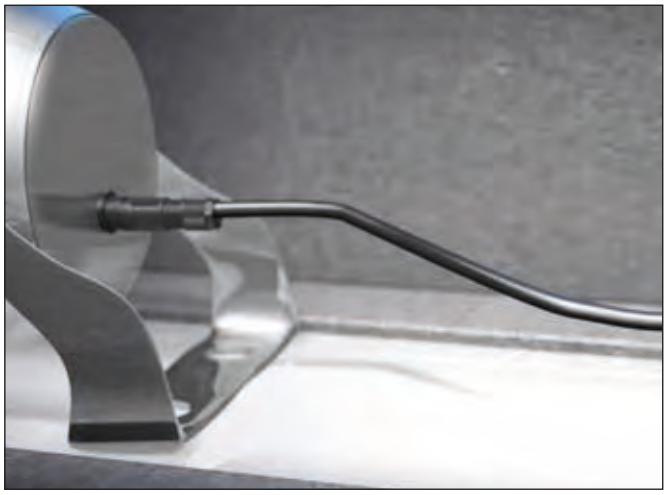
Integrated device protection:
Water stop with barrier seal contacts

Experience shows Water gets inside the wiring system time and time again. The culprits are incorrectly executed installations, damage to wiring or temperature differences. Before long, the installation is penetrated from the inside by moisture damage. Installed barriers, which stop the water in its tracks, help here. The new **RST08i3** is optionally available with this function, each individual contact being sealed on the inside.



The RST08i2/3 product line – lighting installation, DALI, DMX, applications in the low voltage range (LED technology), loudspeaker applications and network connections

Application example



General

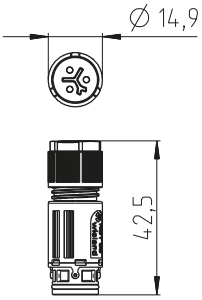
The 2 to 3-pole connector with a diameter of less than 15 mm is currently the smallest in the range and is optimized for the interface between voltage or current sources and LED modules. It is also perfectly suited for dimming or DMX applications. Thanks to its rated values, network applications are no problem either.
The connectors are optionally available in the barrier seal version (water stop).
All connectors are mechanically coded. This means only the male/female pairs that belong together can be inserted, with the correct polarity.

Coding

	Rateded insulation voltage of the system	250/400V			
	Rated voltage (application)	250V	250V/400V	~50/-120V	~50/-120V
	Mechanical coding (pole assignment of female)				
Name	**Description**	black	light blue	slate gray	pebble gray
Connector		✓	✓	✓	✓
M14 device connectors		✓	✓	✓	✓
Distributors	Individual distribution box	on request	on request	on request	on request
Cable assemblies	Device connection cable Male – free end	✓	✓	✓	✓
	Connection cable Female – free end	✓	✓	✓	✓
	Extension cable Female – male	✓	✓	✓	✓

Connectors, straight
for cables Ø 4 – 7 mm

Female connector



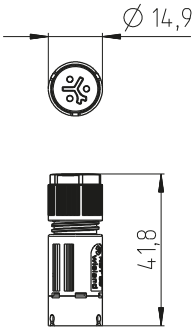
Unmounted with screwed cable gland.
Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.
Cable assemblies on request

Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm² - 1.0 mm² Fine-stranded 0.22 mm² - 0.75 mm²
Approvals	Pending: VDE, cULus, LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Color	Part No.	Part No.
				With screw connection	
				Without contact seal	With contact seal [2]
250/400V		1, 2/N, PE	black	41.031.3053.1	4L.031.3053.1
		1, 2/N [1]	black	41.021.3043.1	4L.021.3043.1
		1, 2/N, 3	light blue	41.031.3043.9	4L.031.3043.9
		1, 2/N [1]	light blue	41.021.3043.9	4L.021.3043.9
~50/-120V		1, 2, 3	slate gray	41.031.3041.4	4L.031.3041.4
		1, 2 [1]	slate gray	41.021.3041.4	4L.021.3041.4
		1, 2, PE	pebble gray	41.031.3041.8	4L.031.3041.8
		1, 2 [1]	pebble gray	41.021.3041.8	4L.021.3041.8

Male connector



Unmounted with screwed cable gland.
Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.
Cable assemblies on request

Rated values

Rated voltage	250/400V
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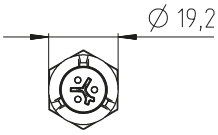
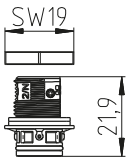
		1, 2/N [1]	black	41.022.3043.1	4L.022.3043.1
		1, 2/N, 3	light blue	41.032.3043.9	4L.032.3043.9
		1, 2/N [1]	light blue	41.022.3043.9	4L.022.3043.9
~50/-120V		1, 2, 3	slate gray	41.032.3041.4	4L.032.3041.4
		1, 2 [1]	slate gray	41.022.3041.4	4L.022.3041.4
		1, 2, PE	pebble gray	41.032.3041.8	4L.032.3041.8
		1, 2 [1]	pebble gray	41.022.3041.8	4L.022.3041.8

[1] One pole unassigned
[2] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M14

Female connector





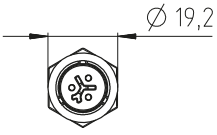
Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.

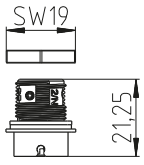
Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm² - 1.0 mm² Fine-stranded 0.22 mm² - 0.75 mm²
Approvals	Pending: VDE, cULus, LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Color	Part No.	Part No.
				With screw connection	
				Without contact seal	With contact seal [2]
250/400V		1, 2/N, PE	black	41.031.4053.1	4L.031.4053.1
		1, 2/N [1]	black	41.021.4043.1	4L.021.4043.1
		1, 2/N, 3	light blue	41.031.4043.9	4L.031.4043.9
		1, 2/N [1]	light blue	41.021.4043.9	4L.021.4043.9
~50/-120V		1, 2, 3	slate gray	41.031.4041.4	4L.031.4041.4
		1, 2 [1]	slate gray	41.021.4041.4	4L.021.4041.4
		1, 2, PE	pebble gray	41.031.4041.8	4L.031.4041.8
		1, 2 [1]	pebble gray	41.021.4041.8	4L.021.4041.8

Male connector





Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.

Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm² - 1.0 mm² Fine-stranded 0.22 mm² - 0.75 mm²
Approvals	Pending: VDE, cULus, LR, DNV/GL, RINA, BV

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				Without contact seal	With contact seal [2]
250/400V		1, 2/N, PE	black	41.032.4053.1	4L.032.4053.1
		1, 2/N [1]	black	41.022.4043.1	4L.022.4043.1
		1, 2/N, 3	light blue	41.032.4043.9	4L.032.4043.9
		1, 2/N [1]	light blue	41.022.4043.9	4L.022.4043.9
~50/-120V		1, 2, 3	slate gray	41.032.4041.4	4L.032.4041.4
		1, 2 [1]	slate gray	41.022.4041.4	4L.022.4041.4
		1, 2, PE	pebble gray	41.032.4041.8	4L.032.4041.8
		1, 2 [1]	pebble gray	41.022.4041.8	4L.022.4041.8

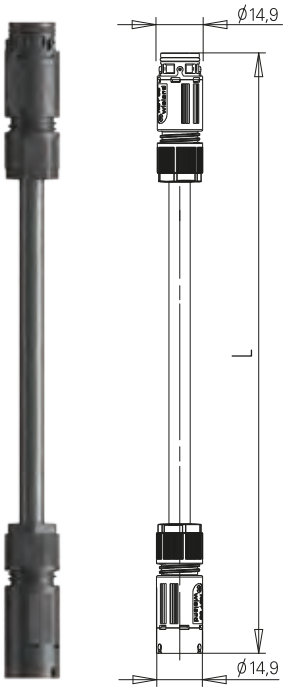
[1] One pole unassigned
[2] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Cable assemblies
0.75 mm²; 6 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Insulation strip length	(open cable end)	9 mm

Connection type of cable	cable gland
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male

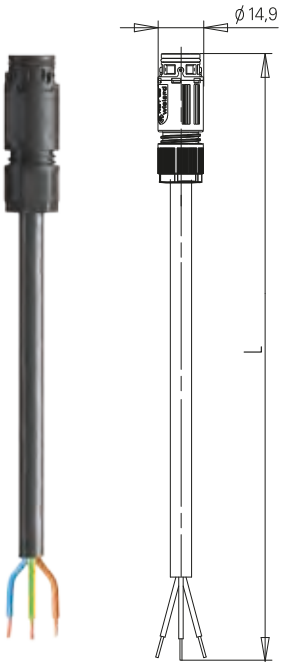


Cable	Length m	250V/400V black 2-pole 1 = BN 2/N= BU	~50/-120V pebble gray 2-pole 1 = BU 2 = BN	250V/400V light blue 2-pole 1 = BN 2/N= BU	~50/-120V slate gray 2-pole 1 = BU 2 = BN
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.427.0530.1	41.427.0532.8	41.427.0530.9	41.427.0532.4
	1	41.427.1030.1	41.427.1032.8	41.427.1030.9	41.427.1032.4
	1.5	41.427.1530.1	41.427.1532.8	41.427.1530.9	41.427.1532.4
	2	41.427.2030.1	41.427.2032.8	41.427.2030.9	41.427.2032.4
	2.5	41.427.2530.1	41.427.2532.8	41.427.2530.9	41.427.2532.4
	3	41.427.3030.1	41.427.3032.8	41.427.3030.9	41.427.3032.4
	4	41.427.4030.1	41.427.4032.8	41.427.4030.9	41.427.4032.4

Cable	Length m	250V/400V black 3-pole 1 = BN 2/N= BU PE = GN/YE	~50/-120V pebble gray 3-pole 1 = BU 2 = BN PE = GN/YE
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.437.0530.1	41.437.0532.8
	1	41.437.1030.1	41.437.1032.8
	1.5	41.437.1530.1	41.437.1532.8
	2	41.437.2030.1	41.437.2032.8
	2.5	41.437.2530.1	41.437.2532.8
	3	41.437.3030.1	41.437.3032.8
	4	41.437.4030.1	41.437.4032.8

2-pole connectors – one pole is not configured.
With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.

Connection cables female – free end



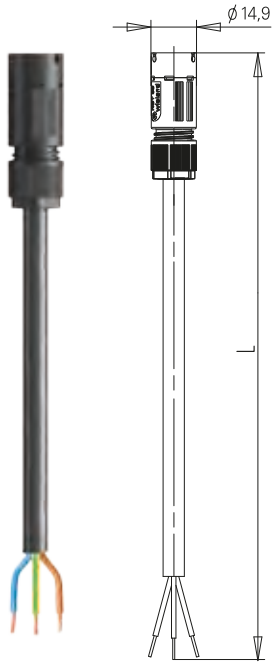
Cable	Length m	250V/400V black 2-pole 1 = BN 2/N= BU	~50/-120V pebble gray 2-pole 1 = BU 2 = BN	250V/400V light blue 2-pole 1 = BN 2/N= BU	~50/-120V slate gray 2-pole 1 = BU 2 = BN
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.427.0533.1	41.427.0537.8	41.427.0533.9	41.427.0537.4
	1	41.427.1033.1	41.427.1037.8	41.427.1033.9	41.427.1037.4
	1.5	41.427.1533.1	41.427.1537.8	41.427.1533.9	41.427.1537.4
	2	41.427.2033.1	41.427.2037.8	41.427.2033.9	41.427.2037.4
	2.5	41.427.2533.1	41.427.2537.8	41.427.2533.9	41.427.2537.4
	3	41.427.3033.1	41.427.3037.8	41.427.3033.9	41.427.3037.4
	4	41.427.4033.1	41.427.4037.8	41.427.4033.9	41.427.4037.4

Cable	Length m	250V/400V black 3-pole 1 = BN 2/N= BU PE = GN/YE	~50/-120V pebble gray 3-pole 1 = BU 2 = BN PE = GN/YE
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.437.0533.1	41.437.0537.8
	1	41.437.1033.1	41.437.1037.8
	1.5	41.437.1533.1	41.437.1537.8
	2	41.437.2033.1	41.437.2037.8
	2.5	41.437.2533.1	41.437.2537.8
	3	41.437.3033.1	41.437.3037.8
	4	41.437.4033.1	41.437.4037.8

2-pole connectors – one pole is not configured.
With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.

Cable assemblies
0.75 mm²; 6 A

Connection cables male – free end



Cable	Length m	250V/400V black 2-pole 1 = BN 2/N= BU	~50/-120V pebble gray 2-pole 1 = BU 2 = BN	250V/400V light blue 2-pole 1 = BN 2/N= BU	~50/-120V slate gray 2-pole 1 = BU 2 = BN
		Part No.	Part No.	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.427.0534.1	41.427.0538.8	41.427.0534.9	41.427.0538.4
	1	41.427.1034.1	41.427.1038.8	41.427.1034.9	41.427.1038.4
	1.5	41.427.1534.1	41.427.1538.8	41.427.1534.9	41.427.1538.4
	2	41.427.2034.1	41.427.2038.8	41.427.2034.9	41.427.2038.4
	2.5	41.427.2534.1	41.427.2538.8	41.427.2534.9	41.427.2538.4
	3	41.427.3034.1	41.427.3038.8	41.427.3034.9	41.427.3038.4
	4	41.427.4034.1	41.427.4038.8	41.427.4034.9	41.427.4038.4

Cable	Length m	250V/400V black 3-pole 1 = BN 2/N= BU PE = GN/YE	~50/-120V pebble gray 3-pole 1 = BU 2 = BN PE = GN/YE
		Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.437.0534.1	41.437.0538.8
	1	41.437.1034.1	41.437.1038.8
	1.5	41.437.1534.1	41.437.1538.8
	2	41.437.2034.1	41.437.2038.8
	2.5	41.437.2534.1	41.437.2538.8
	3	41.437.3034.1	41.437.3038.8
	4	41.437.4034.1	41.437.4038.8

2-pole connectors – one pole is not configured.
With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.

Accessories

Cover pieces

For the safe closure of female and male connectors.
With mounting strap for snapping on

for female **for male**

	for female	for male
Color	Part No.	Part No.
black	06.563.5053.1	06.563.5153.1

Pin wrench

for *RST*® MICRO screw terminals

Name	Part No.
Pin wrench	06.502.6100.0

Hexagonal wrench

for *RST*® MICRO screw terminals

Name	Part No.
Wrench Std. Pack 5	06.502.6300.0

Sample kit

Contents: Connectors and device connectors in all codings, cover cap an hexagonal wrench

Name	Part No.
Sample kit Available from Q4 2018	99.431.0000.1

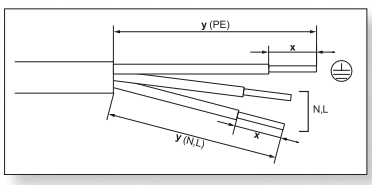
Technical Specifications *RST*® MICRO

	RST08i2/3
Rated voltage	250/400V
Rated current	8A
Number of poles	2/3

Connector temperature range:	- 40°C to 100°C
Material:	Contact parts: Brass surface-treated housing parts: Polyamide, halogen-free, V0, f1 seal material: NBR
Pollution degree:	3 (when inserted)
Protection rating:	IP66/68 (3m; 2h)/69, barrier seal optional
Approvals:	Pending: VDE (acc. to IEC 61984), cULus, LR, DNV/GL, RINA, BV

Wire strip lengths

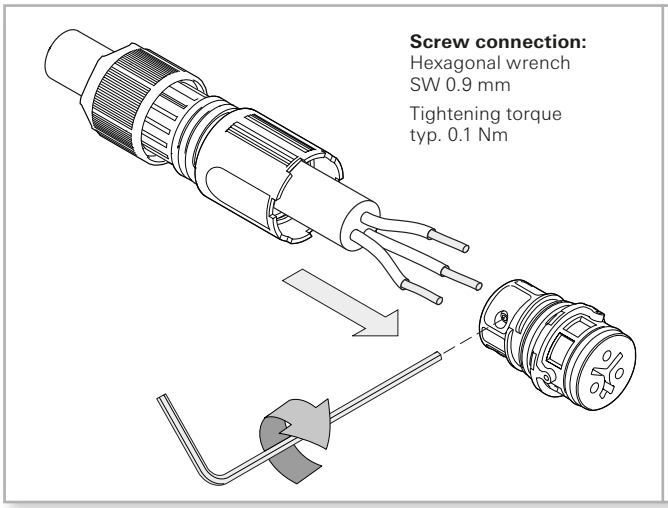
Fine-stranded (suitable for ferrules)



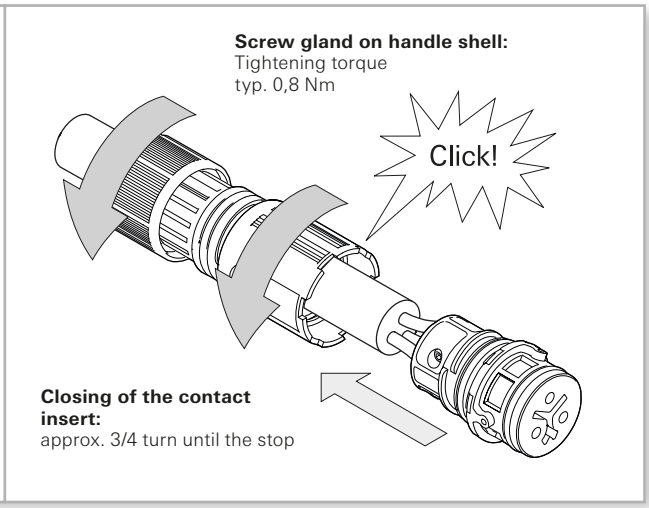
Conductor	PE	N, L
Sheath strip length y (in mm)	19	18
Wire strip length x (mm)	6	6

Connectors 2-/3-pole

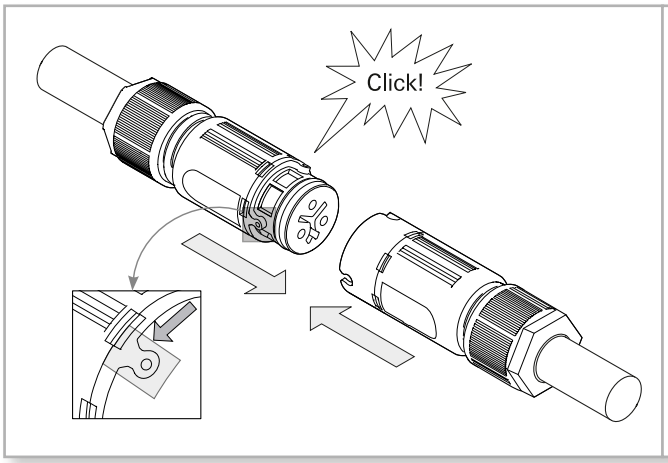
Wire connection



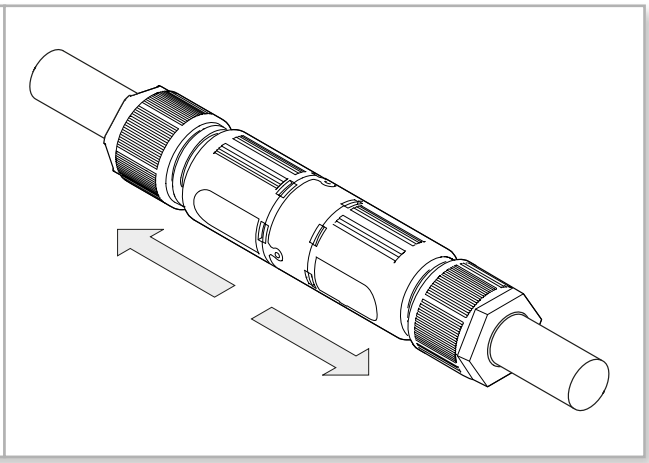
Closing the connector



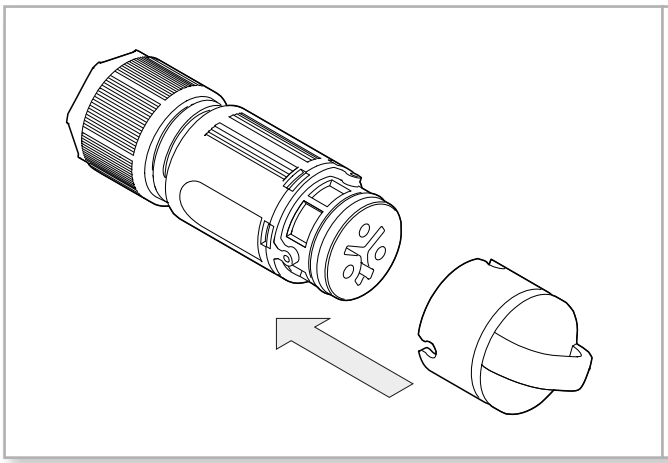
Plugging and locking

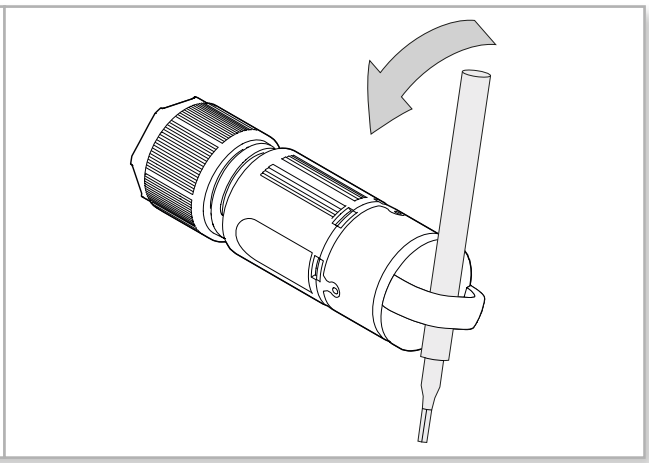


Unlocking and separating



Opening the connector



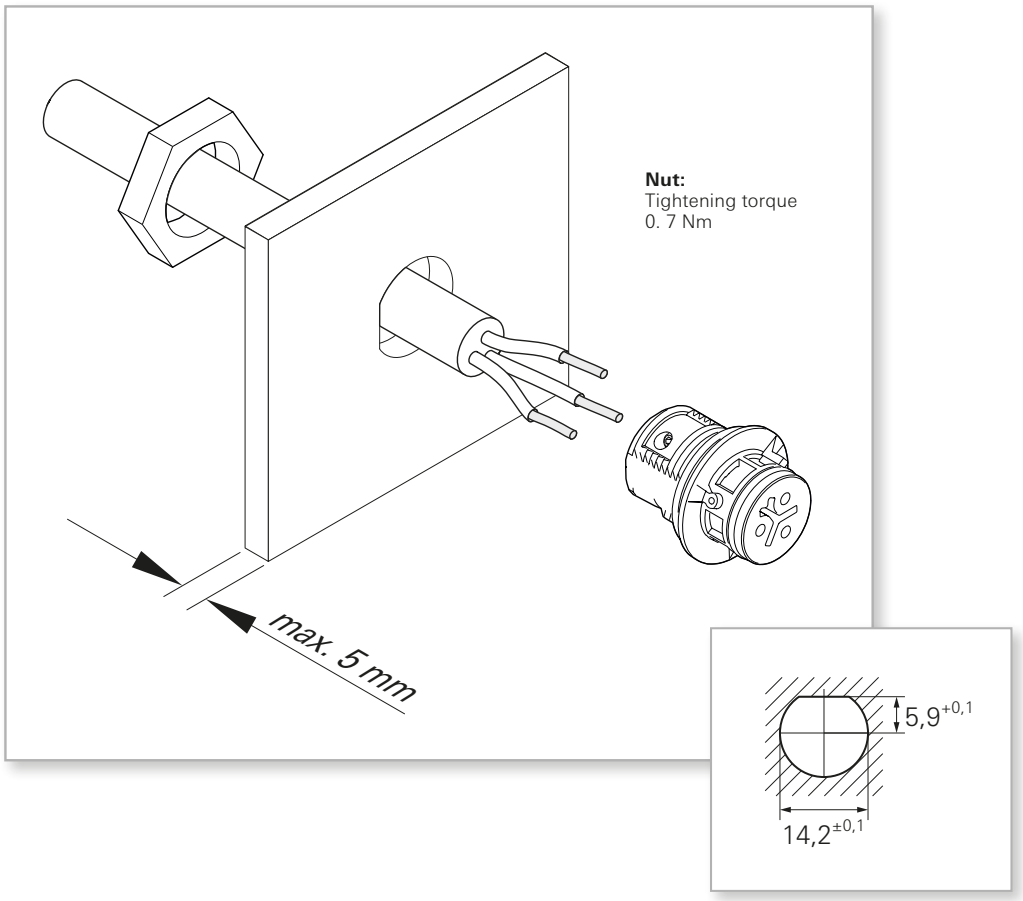


The corresponding installation instruction BA001157 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Device connections 2-/3-pole

Housing installation with M14 feedthrough

Dimensions in mm



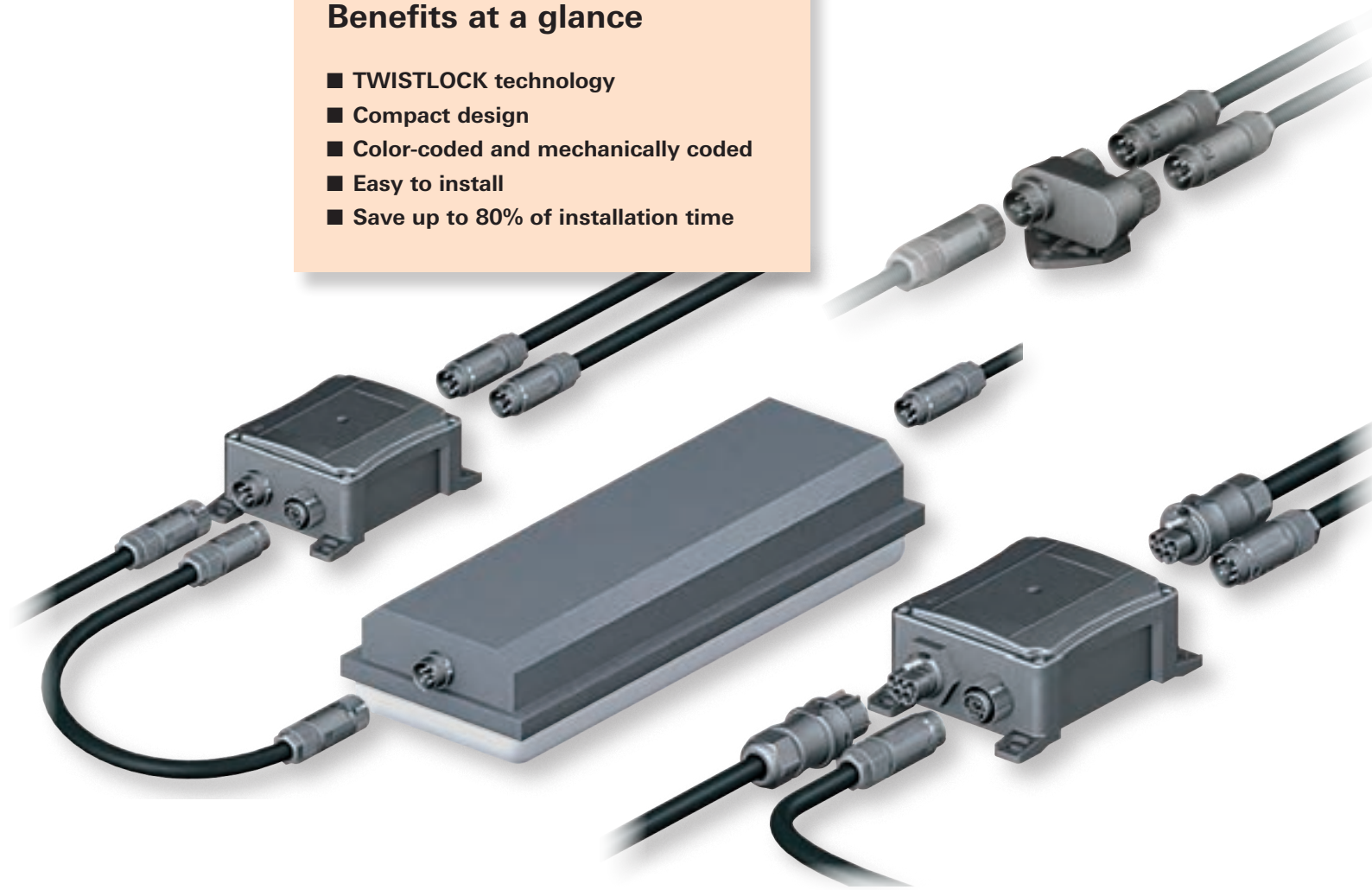
The corresponding installation instruction BA001157 can be found online in the download section of the respective product under: eshop.wieland-electric.com

The ***RST***® MINI connector series
Optimized for installation in confined spaces

The ***RST***® MINI series marks a continuation of the story of the ***RST***® installation system's success and logically follows the trend towards compact designs.
The 2- to 5-pole plug connectors and device connectors have been designed for 250/400V and 16A and are all available in the screw connection technology that electricians trust.
Customized distributors as well as pre-assembled cables round the system off perfectly and offer a huge range of different possible uses, not just in building automation or industry.

Benefits at a glance

- **TWISTLOCK technology**
- **Compact design**
- **Color-coded and mechanically coded**
- **Easy to install**
- **Save up to 80% of installation time**



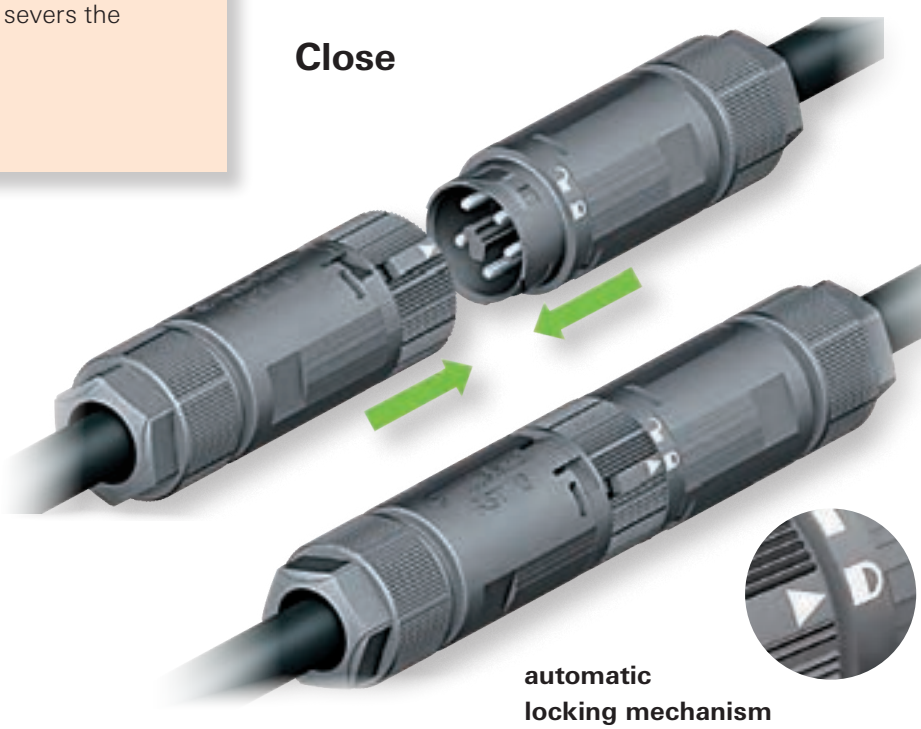
RST® MINI click & safe

The patented locking device

TWISTLOCK technology

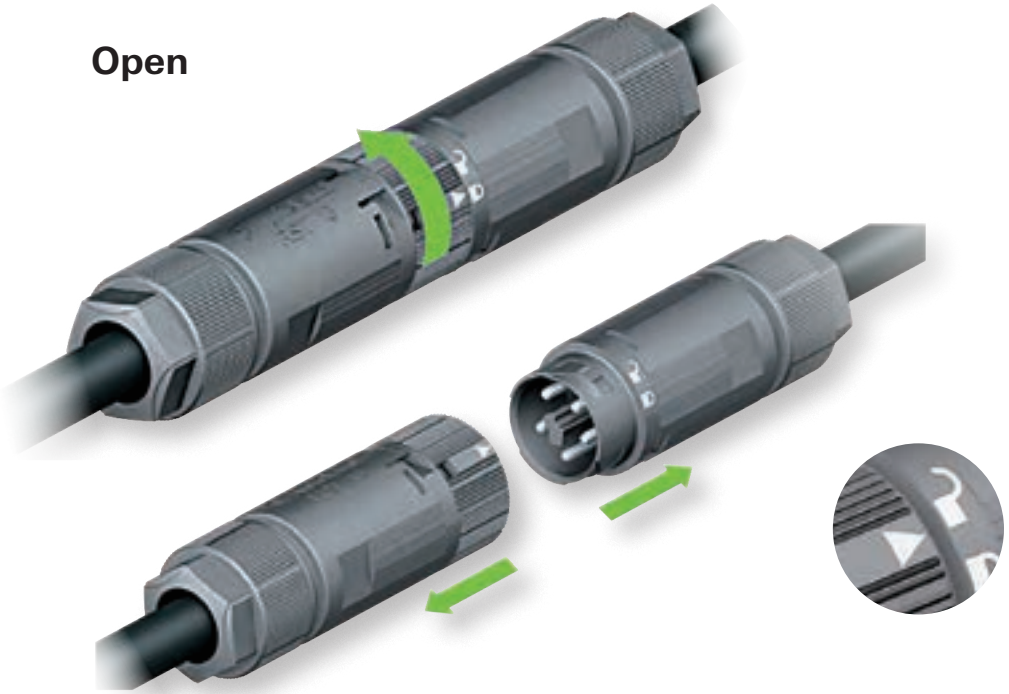
With the smart TWISTLOCK locking mechanism, the connectors lock automatically when plugged together and give the user clear feedback on the correct end position. A slight rotation severs the connection easily.

Close

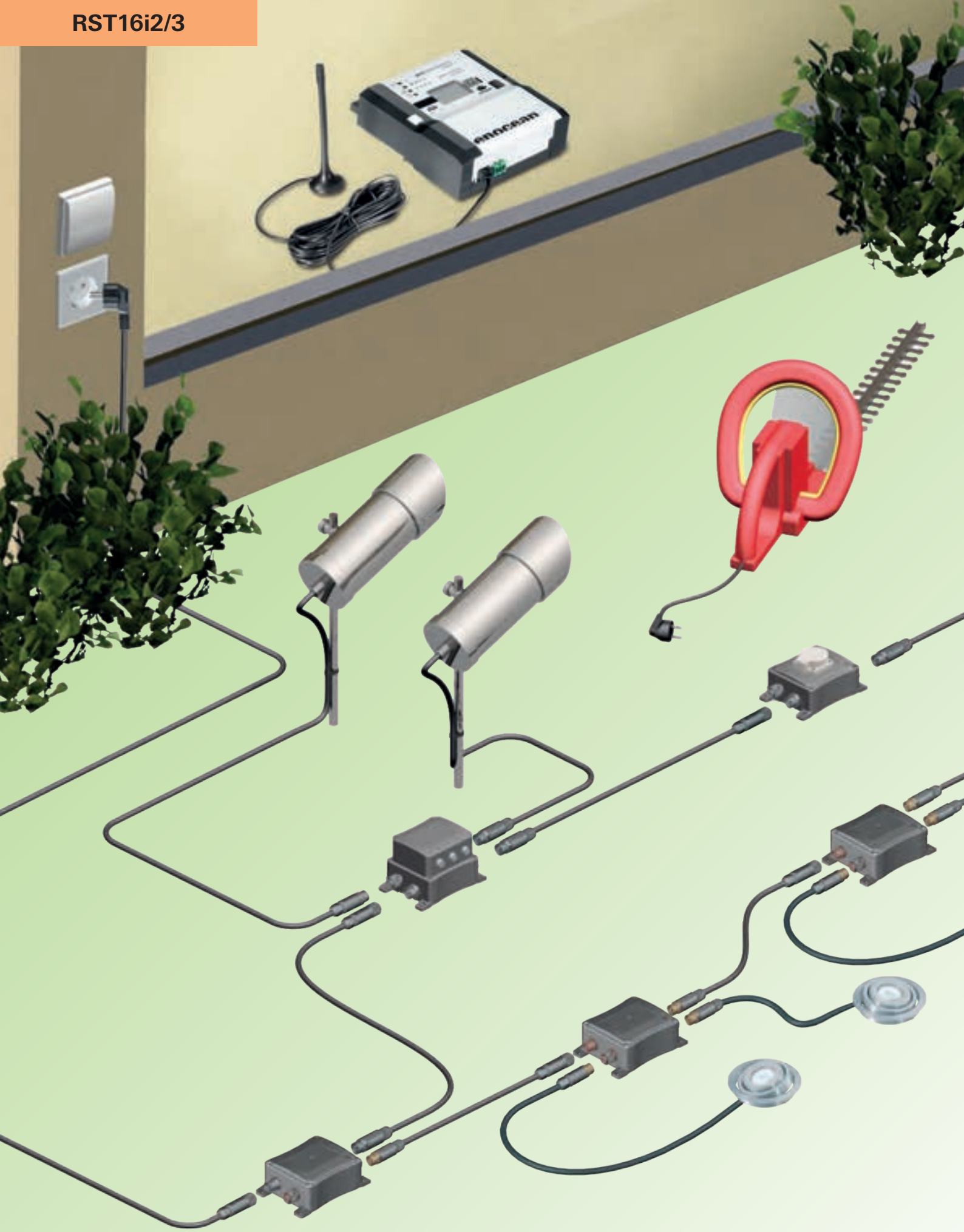


automatic locking mechanism

Open

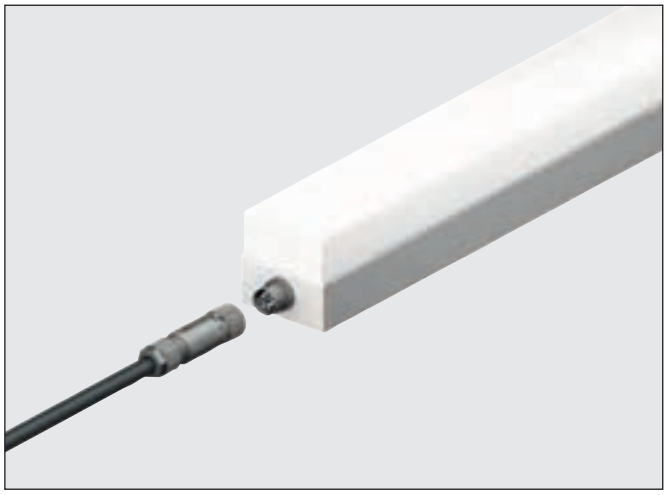


RST16i2/3



The RST16i2/3 product line – mains connection, lighting installation, DALI, DMX, applications in the extra-low voltage range (LED technology), loudspeaker applications

Application example



General

With the 2-/3-pole connectors, there are five available codings. These can cover applications relating to the mains connection of electrical consumers, the connection of LED luminaires in the extra-low voltage range, and also the electrification of DALI, DMX, or loudspeaker systems. The main focus is the mains connection of electrical equipment with a compact design. The mechanical codings have the advantage that only associated pairs of male and female connectors can be connected, with the correct polarity ensured. This gives you the security of a clear distinction.

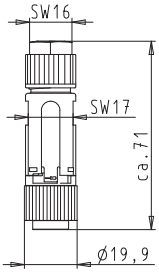
The connectors are also available in a 2-pole variant. This is based on the 3-pole housing, but with one pole not configured.

Coding

	Application	250V		250/400V	250/400V	250/400V	~50/-120V
	Mechanical coding	L, N, PE		1, 2, PE	1, 2, 3	1, 2, 3	D1, D2, PE
Name	**Description**	black	light gray	green	turquoise	light blue	signal brown
Connectors		✓	✓	✓	✓	✓	✓
M16 device connections		✓	✓	✓	✓	✓	✓
Distribution units	RST® compact and multiple distribution unit	✓	✓	✓	✓	✓	✓
	Distribution block 1E/2A	✓	✓	✓	✓	✓	✓
	Individual distribution box	on request	on request	on request	on request	on request	on request
Cable assemblies	Device connection cable Male – free end	✓	✓	on request	on request	on request	on request
	Connection cable Female – free end	✓	✓	on request	on request	on request	on request
	Extension cable Female – male	✓	✓	on request	on request	on request	on request

Connectors, straight
for cables Ø 5.0 – 9.5 mm[2)]

Female connector

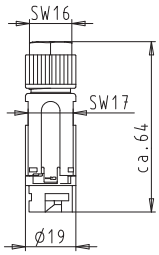


Rated values

Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 1.5 mm² (up to 1.0 mm² suitable for ferrules), 2.5 mm² rigid
Approvals	VDE, cULus being prepared: LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Ø Cable mm	Color	Part No.
					with screw connection
250/400 V		L, N, PE	Ø 5.0 – 9.5 mm [2)]	black light gray	46.031.4553.1 46.031.4553.0
		L, N	Ø 5.0 – 9.5 mm [2)]	black light gray	46.031.4554.1 46.031.4554.0
		1, 2, PE	Ø 5.0 – 9.5 mm [2)]	green	46.031.4555.7
		1, 2, 3	Ø 5.0 – 9.5 mm [2)]	light blue	46.031.4553.9
		1, 2 [1)]	Ø 5.0 – 9.5 mm [2)]	light blue	46.031.4554.9
		D1, D2, PE	Ø 5.0 – 9.5 mm [2)]	turquoise	46.031.4550.6
		D1, D2 [1)]	Ø 5.0 – 9.5 mm [2)]	turquoise	46.031.4551.6
		D1, D2 [1)]	AS-i profile cable	turquoise	46.031.4951.6
~50/-120V		1, 2, 3	Ø 5.0 – 9.5 mm [2)]	signal brown	46.031.4550.4
		1, 2 [1)]	Ø 5.0 – 9.5 mm [2)]	signal brown	46.031.4551.4
		1, 2 [1)]	AS-i profile cable	signal brown	46.031.4951.4

Male connector



Rated values

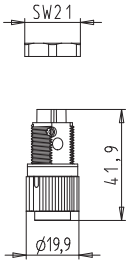
Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 1.5 mm² (up to 1.0 mm² suitable for ferrules), 2.5 mm² rigid
Approvals	VDE, cULus being prepared: LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Ø Cable mm	Color	Part No.
					with screw connection
250/400 V		L, N, PE	Ø 5.0 – 9.5 mm [2)]	black light gray	46.032.4553.1 46.032.4553.0
		L, N	Ø 5.0 – 9.5 mm [2)]	black light gray	46.032.4554.1 46.032.4554.0
		1, 2, PE	Ø 5.0 – 9.5 mm [2)]	green	46.032.4555.7
		1, 2, 3	Ø 5.0 – 9.5 mm [2)]	light blue	46.032.4553.9
		1, 2 [1)]	Ø 5.0 – 9.5 mm [2)]	light blue	46.032.4554.9
		D1, D2, PE	Ø 5.0 – 9.5 mm [2)]	turquoise	46.032.4550.6
		D1, D2 [1)]	Ø 5.0 – 9.5 mm [2)]	turquoise	46.032.4551.6
		D1, D2 [1)]	AS-i profile cable	turquoise	46.032.4951.6
~50/-120V		1, 2, 3	Ø 5.0 – 9.5 mm [2)]	signal brown	46.032.4550.4
		1, 2 [1)]	Ø 5.0 – 9.5 mm [2)]	signal brown	46.032.4551.4
		1, 2 [1)]	AS-i profile cable	signal brown	46.032.4951.4

[1)] One pole not configured
[2)] Other diameters available upon request. Please note: Individual H07RN-F 1.5 cables can have a diameter of more than 9.5 mm.

M16 device connections
straight

Female connector



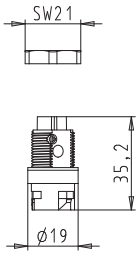
For housing cut-out see Technical Data

Rated values

Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 1.5 mm² (up to 1.0 mm² suitable for ferrules), 2.5 mm² rigid
Approvals	VDE, cULus being prepared: LR, DNV/GL, RINA, BV
Wall thicknesses	up to 8 mm

Application	Coding	Pole marking	Color	Part No.
				with screw connection
250/400 V		L, N, PE	black light gray	46.031.5053.1 46.031.5053.0
		L, N	black light gray	46.031.5054.1 46.031.5054.0
		1, 2, PE	green	46.031.5055.7
		1, 2, 3	light blue	46.031.5053.9
		1, 2 [1]	light blue	46.031.5054.9
		D1, D2, PE	turquoise	46.031.5050.6
		D1, D2 [1]	turquoise	46.031.5051.6
~50/-120V		1, 2, 3	signal brown	46.031.5050.4
		1, 2 [1]	signal brown	46.031.5051.4

Male connector



For housing cut-out see Technical Data

Rated values

Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 1.5 mm² (up to 1.0 mm² suitable for ferrules), 2.5 mm² rigid
Approvals	VDE, cULus being prepared: LR, DNV/GL, RINA, BV
Wall thicknesses	up to 8 mm

Application	Coding	Pole marking	Color	Part No.
				with screw connection
250/400 V		L, N, PE	black light gray	46.032.5053.1 46.032.5053.0
		L, N	black light gray	46.032.5054.1 46.032.5054.0
		1, 2, PE	green	46.032.5055.7
		1, 2, 3	light blue	46.032.5053.9
		1, 2 [1]	light blue	46.032.5054.9
		D1, D2, PE	turquoise	46.032.5050.6
		D1, D2 [1]	turquoise	46.032.5051.6
~50/-120V		1, 2, 3	signal brown	46.032.5050.4
		1, 2 [1]	signal brown	46.032.5051.4

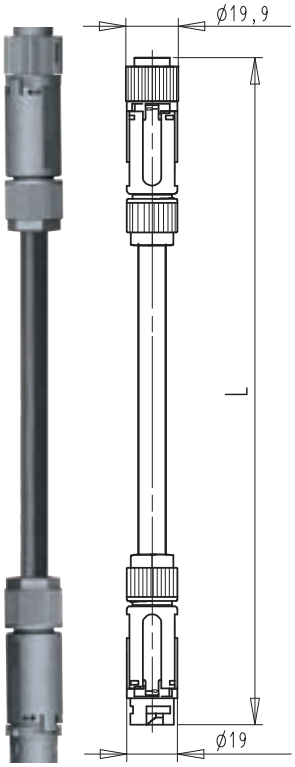
[1] One pole not configured

Cable assemblies
1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Insulation strip length	(open cable end)	9 mm

Connection type of cable	cable gland
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male

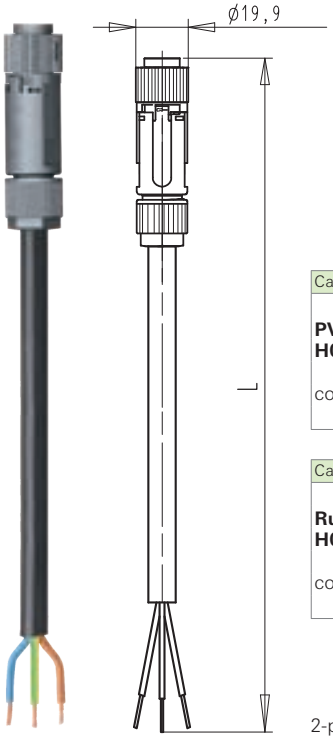


Cable	Length m	250V black 3-pole Part No.	250V black 2-pole Part No.	~50/-120V signal brown 2-pole Part No.
PVC cable H05VV-F containing halogen	0.5	46.432.0500.1	46.422.0500.1	46.422.0502.4
	1	46.432.1000.1	46.422.1000.1	46.422.1002.4
	2	46.432.2000.1	46.422.2000.1	46.422.2002.4
	3	46.432.3000.1	46.422.3000.1	46.422.3002.4
	4	46.432.4000.1	46.422.4000.1	46.422.4002.4
	5	46.432.5000.1	46.422.5000.1	46.422.5002.4

Cable	Length m	250V black 3-pole Part No.	250V black 2-pole Part No.	~50/-120V signal brown 2-pole Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	46.432.0530.1	46.422.0530.1	46.422.0532.4
	1	46.432.1030.1	46.422.1030.1	46.422.1032.4
	2	46.432.2030.1	46.422.2030.1	46.422.2032.4
	3	46.432.3030.1	46.422.3030.1	46.422.3032.4
	4	46.432.4030.1	46.422.4030.1	46.422.4032.4
	5	46.432.5030.1	46.422.5030.1	46.422.5032.4

2-pole connectors – one pole is not configured.

Connection cables female – free end



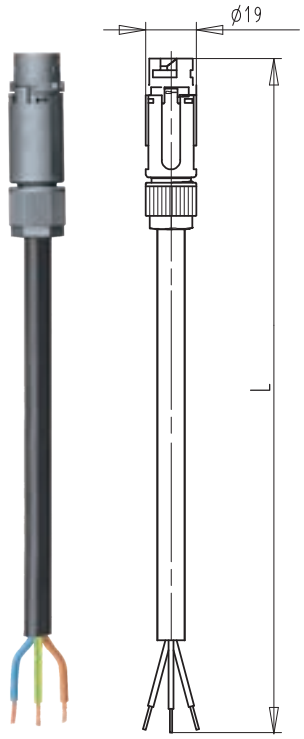
Cable	Length m	250V black 3-pole Part No.	250V black 2-pole Part No.	~50/-120V signal brown 2-pole Part No.
PVC cable H05VV-F containing halogen	0.5	46.432.0503.1	46.422.0503.1	46.422.0507.4
	1	46.432.1003.1	46.422.1003.1	46.422.1007.4
	2	46.432.2003.1	46.422.2003.1	46.422.2007.4
	3	46.432.3003.1	46.422.3003.1	46.422.3007.4
	4	46.432.4003.1	46.422.4003.1	46.422.4007.4
	5	46.432.5003.1	46.422.5003.1	46.422.5007.4

Cable	Length m	250V black 3-pole Part No.	250V black 2-pole Part No.	~50/-120V signal brown 2-pole Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	46.432.0533.1	46.422.0533.1	46.422.0537.4
	1	46.432.1033.1	46.422.1033.1	46.422.1037.4
	2	46.432.2033.1	46.422.2033.1	46.422.2037.4
	3	46.432.3033.1	46.422.3033.1	46.422.3037.4
	4	46.432.4033.1	46.422.4033.1	46.422.4037.4
	5	46.432.5033.1	46.422.5033.1	46.422.5037.4

2-pole connectors – one pole is not configured.

Cable assemblies
1.5 mm²; 16 A

Connection cables male – free end



Cable	Length m	250V black 3-pole ⏚ = GN/YE N = BU L = BN	250V black 2-pole N = BU L = BN	~50/-120V signal brown 2-pole 1 = BU 2 = BN
PVC cable H05VV-F containing halogen	0.5	46.432.0504.1	46.422.0504.1	46.422.0508.4
	1	46.432.1004.1	46.422.1004.1	46.422.1008.4
	2	46.432.2004.1	46.422.2004.1	46.422.2008.4
	3	46.432.3004.1	46.422.3004.1	46.422.3008.4
	4	46.432.4004.1	46.422.4004.1	46.422.4008.4
	5	46.432.5004.1	46.422.5004.1	46.422.5008.4

Cable	Length m	Part No.	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	46.432.0534.1	46.422.0534.1	46.422.0538.4
	1	46.432.1034.1	46.422.1034.1	46.422.1038.4
	2	46.432.2034.1	46.422.2034.1	46.422.2038.4
	3	46.432.3034.1	46.422.3034.1	46.422.3038.4
	4	46.432.4034.1	46.422.4034.1	46.422.4038.4
	5	46.432.5034.1	46.422.5034.1	46.422.5038.4

2-pole connectors – one pole is not configured.

Cable assemblies
1.5 mm²; 16 A

Connection cable
Schuko plug - RST16i3 female

250V
black
3-pole

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.5	99.700.0000.8
	2.5	99.701.0000.8
	4	99.702.0000.8
	5	99.703.0000.8
	8	99.704.0000.8

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.5	99.705.0000.8
	2.5	99.706.0000.8
	4	99.707.0000.8
	5	99.708.0000.8
	8	99.709.0000.8

Connection cable
RST16i3 - Schuko coupling

250V
black
3-pole

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	99.710.0000.8
	1	
	2	other lengths
	3	on request
	4	
	5	

Distribution units

Compact distribution units

Dimensions 104 x 162 x 57.2 mm

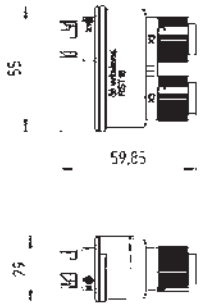
pre-wired with 1.5 mm² (halogen free)

Mounting option Yes

Color	Application	Pole marking	Input	Outputs	Part No.
black	250V	L, N, PE	1	3	46.030.0153.1
light gray	250V	L, N, PE	1	3	46.030.0153.0
black	250V	L, N	1	3	46.030.0154.1
light gray	250V	L, N	1	3	46.030.0154.0
leaves green	250/400V	1, 2, PE	1	3	46.030.0155.7
light blue	250/400V	1, 2, 3	1	3	46.030.0153.9
light blue	250/400V [1]	1, 2	1	3	46.030.0154.9
turquoise blue	250/400V	D1, D2, PE	1	3	46.030.0150.6
turquoise blue	250/400V [1]	D1, D2	1	3	46.030.0151.6
signal brown	~50/-120V	1, 2, 3	1	3	46.030.0150.4
signal brown	~50/-120V [1]	1, 2	1	3	46.030.0151.4

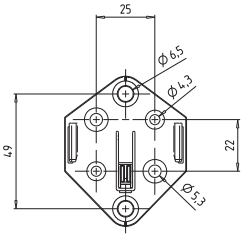
Distribution block 1I/2O

Mounting option with separate mounting plate



Color	Application	Pole marking	Input	Outputs	Part No.
black	250V	L, N, PE	1	2	46.030.1253.1
light gray	250V	L, N, PE	1	2	46.030.1253.0
black	250V	L, N	1	2	46.030.1254.1
light gray	250V	L, N	1	2	46.030.1254.0
leaves green	250/400V	1, 2, PE	1	2	46.030.1255.7
light blue	250/400V	1, 2, 3	1	2	46.030.1253.9
light blue	250/400V [1]	1, 2	1	2	46.030.1254.9
turquoise blue	250/400V	D1, D2, PE	1	2	46.030.1250.6
turquoise blue	250/400V [1]	D1, D2	1	2	46.030.1251.6
signal brown	~50/-120V	1, 2, 3	1	2	46.030.1250.4
signal brown	~50/-120V [1]	1, 2	1	2	46.030.1251.4

Mounting plate for distribution block



Color	Part No.
black	06.562.5853.1
light gray	06.562.5853.0

[1] One pole not configured. Customer specific solutions see chapter distribution units.

Accessories

Cover caps

For the safe closure of female and male connectors.
With mounting strap for snapping onto plug connectors and device connectors

for female **for male**

not captive against loss

Color	for female Part No.	for male Part No.
light gray	06.563.8653.0	06.563.8853.0
black	06.563.8653.1	06.563.8853.1

for female **for male**

captive against loss

Color	for female Part No.	for male Part No.
light gray	06.563.8753.0	06.563.8953.0
black	06.563.8753.1	06.563.8953.1

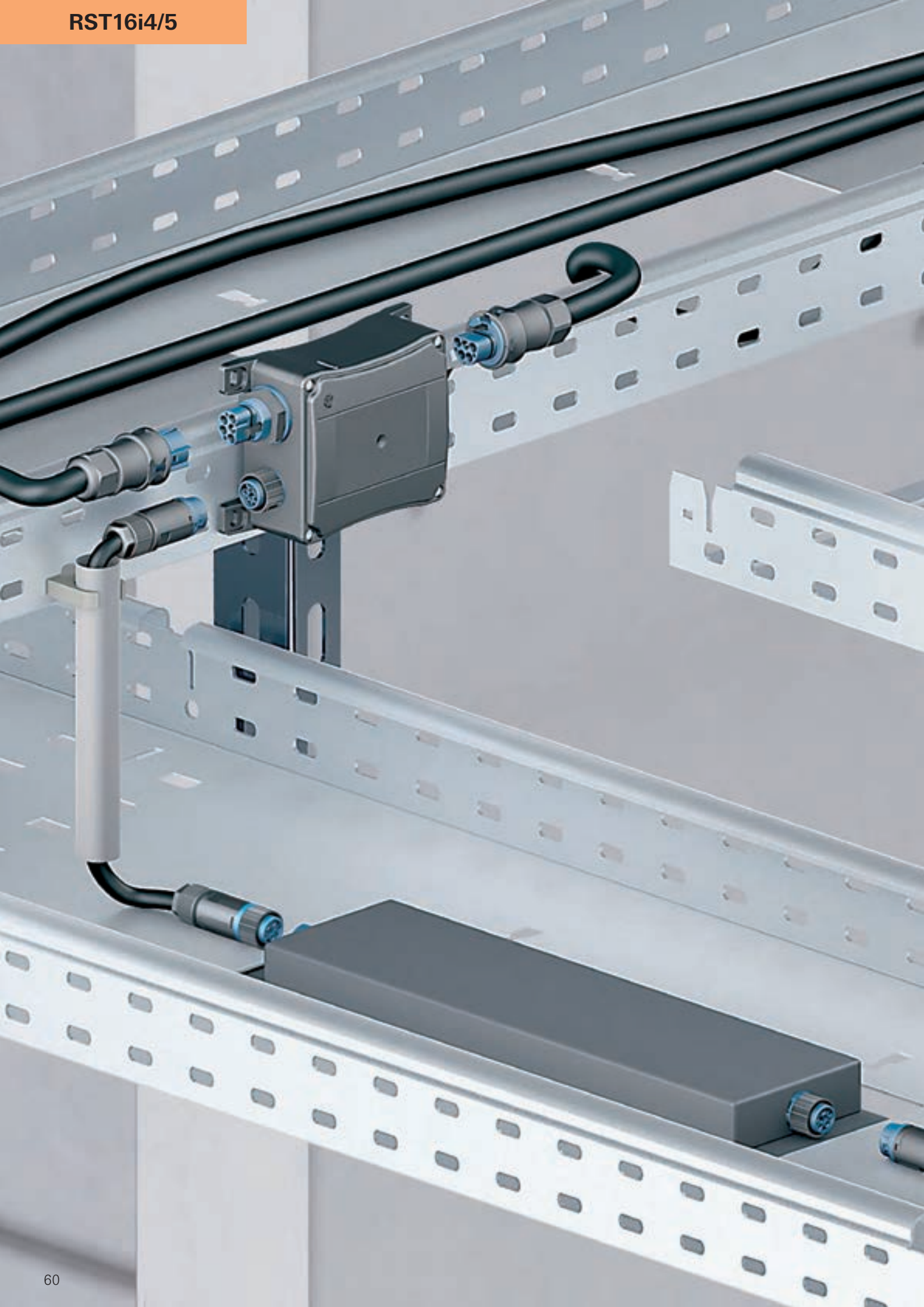
The previous version with plug on funcition is under known Part no. available until 12/2018.

Sample kit

Contents:

- Connectors
- Device connectors
- Contact parts in various codings
- Cover caps
- Distributor

Name	Part No.
Sample Kit	99.674.0000.0



The RST16i4/5 product line – general network applications, lighting installation with dimming function, connection of electrical (sunblind) drives, applications in the extra-low voltage range (LED technology)

Application example

General

The **RST16i4/5** product line has a total of four mechanical codings and can therefore cover a wide range of applications from general network applications to applications in the extra-low voltage range. The main focus is the connection of dimmable luminaires with a compact design. This series is also tailored for the electrification of RGB or RGB-W/A outdoor spotlights. There are different mechanical codings available for every application. This means that only associated pairs of male and female connectors can be connected, with the correct polarity ensured. This gives you the security of a clear distinction.

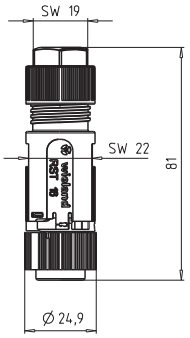
The codings are also available in a 4-pole variant. This is based on the 5-pole housing, but with one pole not configured.

Coding

	Application	250/400V		250V	250/400V	~50/- 120V
	Mechanical coding, for example	1, 2, 3, N, PE 		L, N, PE, 1, 2 	1, 2, 3, 4, 5 	1, 2, 3, 4, 5 
Name	**Description**	black	light gray	turquoise	signal brown	light blue
Connectors		✓	✓	✓	✓	✓
Device connectors M20,2		✓	✓	✓	✓	✓
Distribution units	RST® compact and multiple distributors	✓	✓	✓	✓	✓
	Distribution block 1E/2A	✓	✓	✓	✓	✓
	Individual distribution box	on request	on request	on request	on request	on request
Cable assemblies	Device connector cable Male – free end	✓	on request	✓	on request	on request
	Connection cable Female – free end	✓	on request	✓	on request	on request
	Extension cable Female – male	✓	on request	✓	on request	on request

Connectors, straight
for cables Ø 7.1 – 13 mm[2)]

Female connector

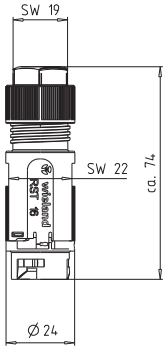


Rated values

Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 2.5 mm² (up to 1.5 mm² suitable for ferrules)
Approvals	VDE, cULus, CSA, LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Color	Part No.
				with screw connection
250/400V		1, 2, 3, N, PE	black light gray	46.051.4553.1 46.051.4553.0
		1, 2, 3, PE [1)]	black light gray	46.051.4554.1 46.051.4554.0
		L, N, PE, 1, 2	turquoise	46.051.4553.6
		1, 2, 3, 4, 5	light blue	46.051.4553.9
~50/-120V		1, 2, 3, 4, 5	signal brown	46.051.4550.4
		1, 2, 3, 4 [1)]	signal brown	46.051.4551.4

Male connector



Rated values

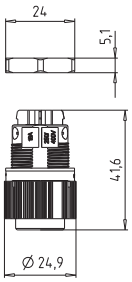
Rated voltage	250/400V
Rated current	16 A
Rated cross-section	0.25 to 2.5 mm² (up to 1.5 mm² suitable for ferrules)
Approvals	VDE, cULus, CSA, LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Color	Part No.
				with screw connection
250/400V		1, 2, 3, N, PE	black light gray	46.052.4553.1 46.052.4553.0
		1, 2, 3, PE [1)]	black light gray	46.052.4554.1 46.052.4554.0
		L, N, PE, 1, 2	turquoise	46.052.4553.6
		1, 2, 3, 4, 5	light blue	46.052.4553.9
~50/-120V		1, 2, 3, 4, 5	signal brown	46.052.4550.4
		1, 2, 3, 4 [1)]	signal brown	46.052.4551.4

[1)] One pole not configured
[2)] Other diameters available upon request

M20.2 device connector
straight

Female connector



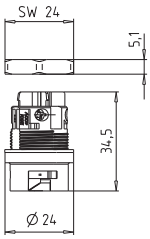
For housing cut-out see Technical Data

Rated values

Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 2.5 mm² (up to 1.5 mm² suitable for ferrules)
Approvals	VDE, cULus, CSA, LR, DNV/GL, RINA, BV being prepared
Wall thicknesses	up to 5 mm

Application	Coding	Pole marking	Color	Part No.
				with screw connection
250/400V		1, 2, 3, N, PE	black light gray	46.051.5053.1 46.051.5053.0
		1, 2, 3, PE [1]	black light gray	46.051.5054.1 46.051.5054.0
		L, N, PE, 1, 2	turquoise	46.051.5053.6
		1, 2, 3, 4, 5	light blue	46.051.5053.9
~50/-120V		1, 2, 3, 4, 5	signal brown	46.051.5050.4
		1, 2, 3, 4 [1]	signal brown	46.051.5051.4

Male connector



For housing cut-out see Technical Data

Rated values

Rated voltage	250/400V
Rated current	16A
Rated cross-section	0.25 to 2.5 mm² (up to 1.5 mm² suitable for ferrules)
Approvals	VDE, cULus, CSA, LR, DNV/GL, RINA, BV being prepared
Wall thicknesses	up to 5 mm

Application	Coding	Pole marking	Color	Part No.
				with screw connection
250/400V		1, 2, 3, N, PE	black light gray	46.052.5053.1 46.052.5053.0
		1, 2, 3, PE [1]	black light gray	46.052.5054.1 46.052.5054.0
		L, N, PE, 1, 2	turquoise	46.052.5053.6
		1, 2, 3, 4, 5	light blue	46.052.5053.9
~50/-120V		1, 2, 3, 4, 5	signal brown	46.052.5050.4
		1, 2, 3, 4 [1]	signal brown	46.052.5051.4

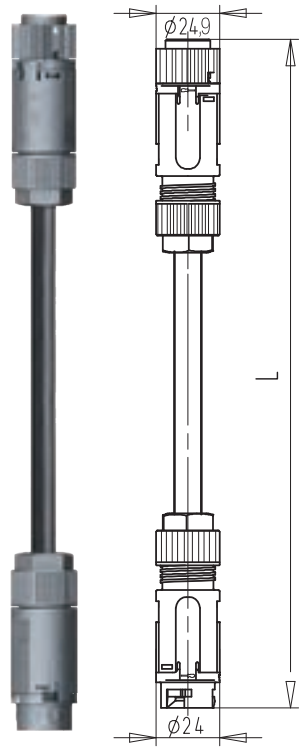
[1] One pole not configured

Cable assemblies
1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Insulation strip length	(open cable end)	9 mm

Connection type of cable	cable gland
Interlock	integrated
Color cable	black
Color handle shell	black

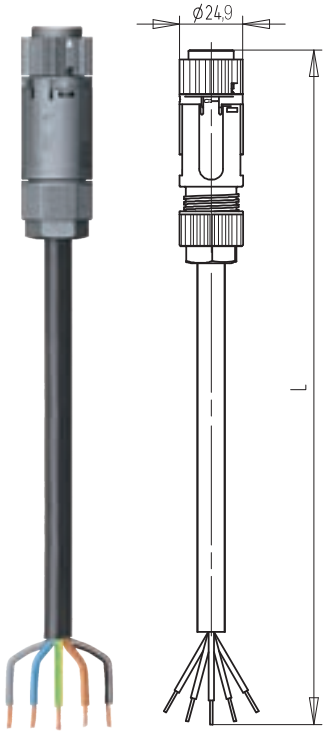
Connection cables female – male



Cable	Length m	250/400V black 5-pole Part No.	250V turquoise 5-pole Part No.
PVC cable H05VV-F containing halogen	0.5	46.452.0500.1	46.452.0500.6
	1	46.452.1000.1	46.452.1000.6
	2	46.452.2000.1	46.452.2000.6
	3	46.452.3000.1	46.452.3000.6
	4	46.452.4000.1	46.452.4000.6
	5	46.452.5000.1	46.452.5000.6

Cable	Length m	250/400V black 5-pole Part No.	250V turquoise 5-pole Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	46.452.0530.1	46.452.0530.6
	1	46.452.1030.1	46.452.1030.6
	2	46.452.2030.1	46.452.2030.6
	3	46.452.3030.1	46.452.3030.6
	4	46.452.4030.1	46.452.4030.6
	5	46.452.5030.1	46.452.5030.6

Connection cables female – free end



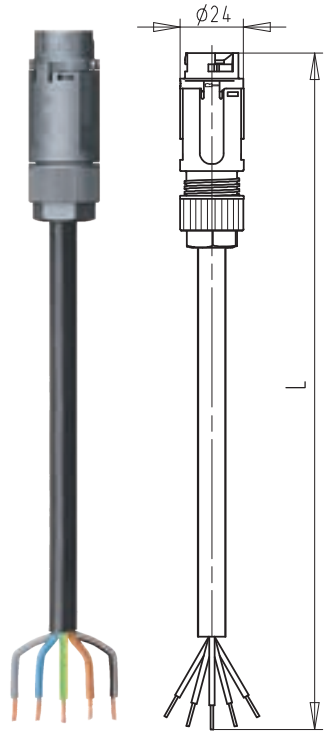
Cable	Length m	250/400V black 5-pole Part No.	250V turquoise 5-pole Part No.
PVC cable H05VV-F containing halogen	0.5	46.452.0503.1	46.452.0503.6
	1	46.452.1003.1	46.452.1003.6
	2	46.452.2003.1	46.452.2003.6
	3	46.452.3003.1	46.452.3003.6
	4	46.452.4003.1	46.452.4003.6
	5	46.452.5003.1	46.452.5003.6

Cable	Length m	250/400V black 5-pole Part No.	250V turquoise 5-pole Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	46.452.0533.1	46.452.0533.6
	1	46.452.1033.1	46.452.1033.6
	2	46.452.2033.1	46.452.2033.6
	3	46.452.3033.1	46.452.3033.6
	4	46.452.4033.1	46.452.4033.6
	5	46.452.5033.1	46.452.5033.6

Observe the installation instructions in the Technical Data that follow the product pages.
Other cables, other lengths, other codings upon request

Cable assemblies
1.5 mm²; 16 A

Connection cables male – free end



Cable	Length m	250/400V black 5-pole Part No.	250V turquoise 5-pole Part No.
PVC cable H05VV-F containing halogen	0.5	46.452.0504.1	46.452.0504.6
	1	46.452.1004.1	46.452.1004.6
	2	46.452.2004.1	46.452.2004.6
	3	46.452.3004.1	46.452.3004.6
	4	46.452.4004.1	46.452.4004.6
	5	46.452.5004.1	46.452.5004.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	46.452.0534.1	46.452.0534.6
	1	46.452.1034.1	46.452.1034.6
	2	46.452.2034.1	46.452.2034.6
	3	46.452.3034.1	46.452.3034.6
	4	46.452.4034.1	46.452.4034.6
	5	46.452.5034.1	46.452.5034.6

Distribution units

Compact distribution units

Dimensions 104 x 162 x 57.2 mm

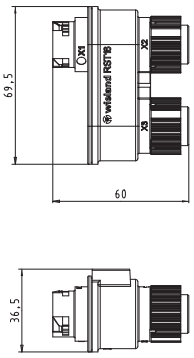
pre-wired with 1.5 mm²

Mounting option yes

Color	Application	Pole marking	Input	Outputs	Part No.
■ black	250/400V	1, 2, 3, N, PE	1	3	46.050.0153.1
■ light gray	250/400V	1, 2, 3, N, PE	1	3	46.050.0153.0
■ black	250/400V [1]	1, 2, 3, PE	1	3	46.050.0154.1
■ light gray	250/400V [1]	1, 2, 3, PE	1	3	46.050.0154.0
■ turquoise blue	250V	L, N, PE, 1, 2	1	3	46.050.0153.6
■ light blue	250/400V	1, 2, 3, 4, 5	1	3	46.050.0153.9
■ signal brown	~50/-120V	1, 2, 3, 4, 5	1	3	46.050.0150.4
■ signal brown	~50/-120V [1]	1, 2, 3, 4	1	3	46.050.0151.4

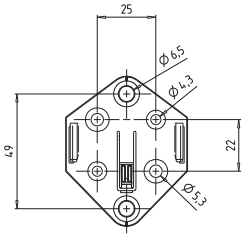
Distribution block 1I/2O

Mounting option with separate mounting plate



Color	Application	Pole marking	Input	Outputs	Part No.
■ black	250/400V	1, 2, 3, N, PE	1	2	46.050.1253.1
■ light gray	250/400V	1, 2, 3, N, PE	1	2	46.050.1253.0
■ black	250/400V [1]	1, 2, 3, PE	1	2	46.050.1254.1
■ light gray	250/400V [1]	1, 2, 3, PE	1	2	46.050.1254.0
■ turquoise blue	250V	L, N, PE, 1, 2	1	2	46.050.1253.6
■ light blue	250/400V	1, 2, 3, 4, 5	1	2	46.050.1253.9
■ signal brown	~50/-120V	1, 2, 3, 4, 5	1	2	46.050.1250.4
■ signal brown	~50/-120V [1]	1, 2, 3, 4	1	2	46.050.1251.4

Mounting plate for distribution block



Color	Part No.
■ black	06.562.5853.1
■ light gray	06.562.5853.0

[1] One pole not configured (observe installation instructions!). Customer specific solutions see chapter distribution units.

Accessories

Cover caps

For the safe closure of female and male connectors.
With mounting strap for snapping onto plug connectors and device connectors

for female **for male**

not captive against loss

Color	for female Part No.	for male Part No.
light gray	06.563.9053.0	06.563.9253.0
black	06.563.9053.1	06.563.9253.1

for female **for male**

captive against loss

Color	for female Part No.	for male Part No.
light gray	06.563.9153.0	06.563.9353.0
black	06.563.9153.1	06.563.9353.1

The previous version with plug on funcition is under known Part no. available until 12/2018.

Sample kit

Contents:
- Connectors
- Device connectors
- Contact parts in various codings
- Cover caps
- Distributor

Name	Part No.
Sample kit	99.675.0000.0

Sample kit SMI

RST®***/gesis***® SMI sample kit, shows fitting parts for SMI applications combined out of the installation systems RST16 and GST18.

Content system RST16: version 5 pole in turquoise blue and 4 pole in signal brown: connectors and device connectors in female and male part with cover pieces, distributor 1I/2O with mounting plate.

Content system GST18: version 5 pole in pastel blue: flat cable with adapter, T-distributor 1I/2O, connector female and male part.

Name	Part No.
Sample kit SMI	99.688.0000.0

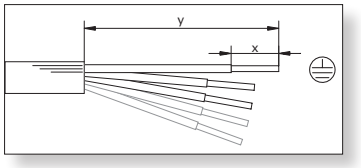
Technical data *RST*® MINI

	RST16i2/3	RST16i4/5
Rated voltage	250/400V	250/400V
Rated current	16A	16A
Number of poles	2/3	4/5

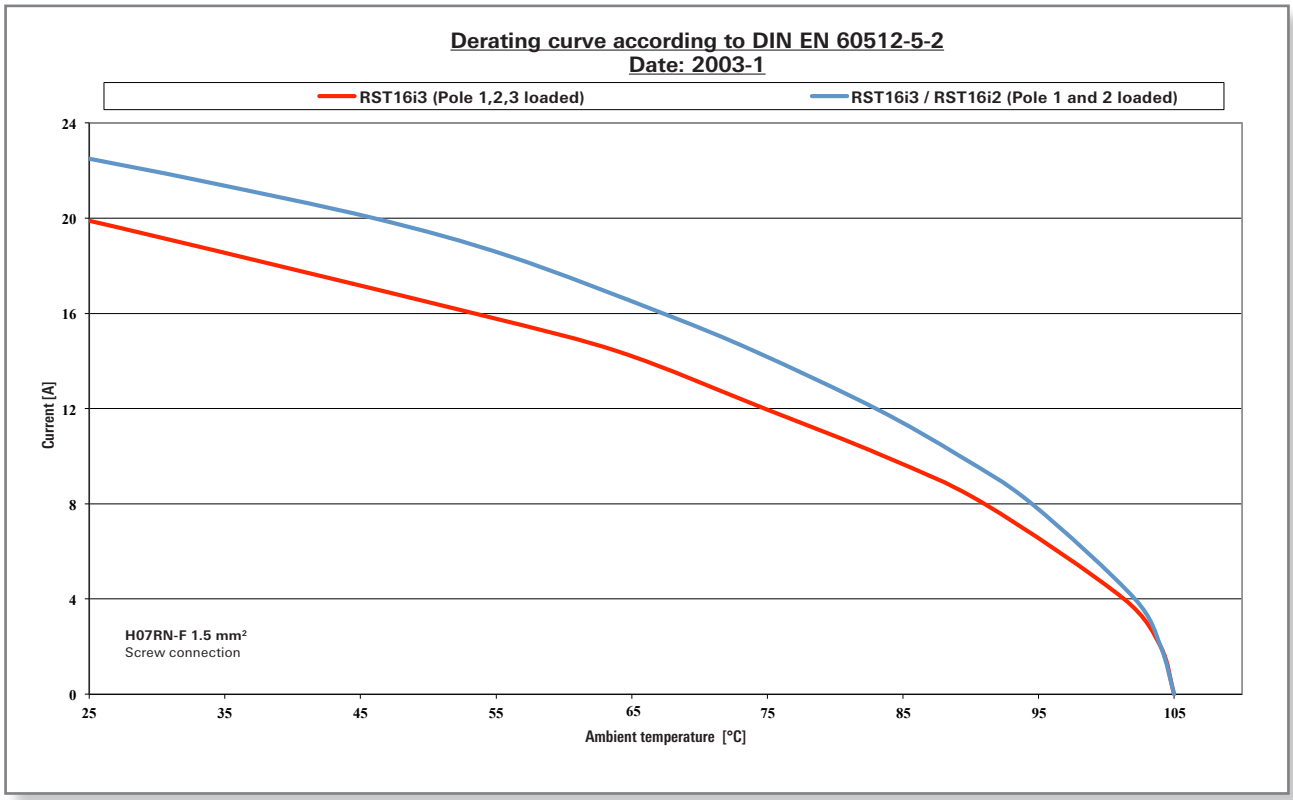
Connector temperature range:	- 40 °C to 100 °C
Material:	Contact parts: brass, surface-treated Housing parts: Polyamide, halogen-free, V2 Sealing material: NBR
Pollution degree:	3 (when connected)
Degree of protection:	IP66/68 (3m; 2h)/69
IK-Code	IK07 (2 Joule)
Plugging cycles:	according to IEC 61535 100x without load and 50x under nominal load (cos phi = 0.6)
Approvals:	VDE (IEC 61535) UL (UL 2238 / UL 1977) CSA (C22.2 No.182.1 / C22.2 No.182.3) RINA, LR, DNV/GL, BV

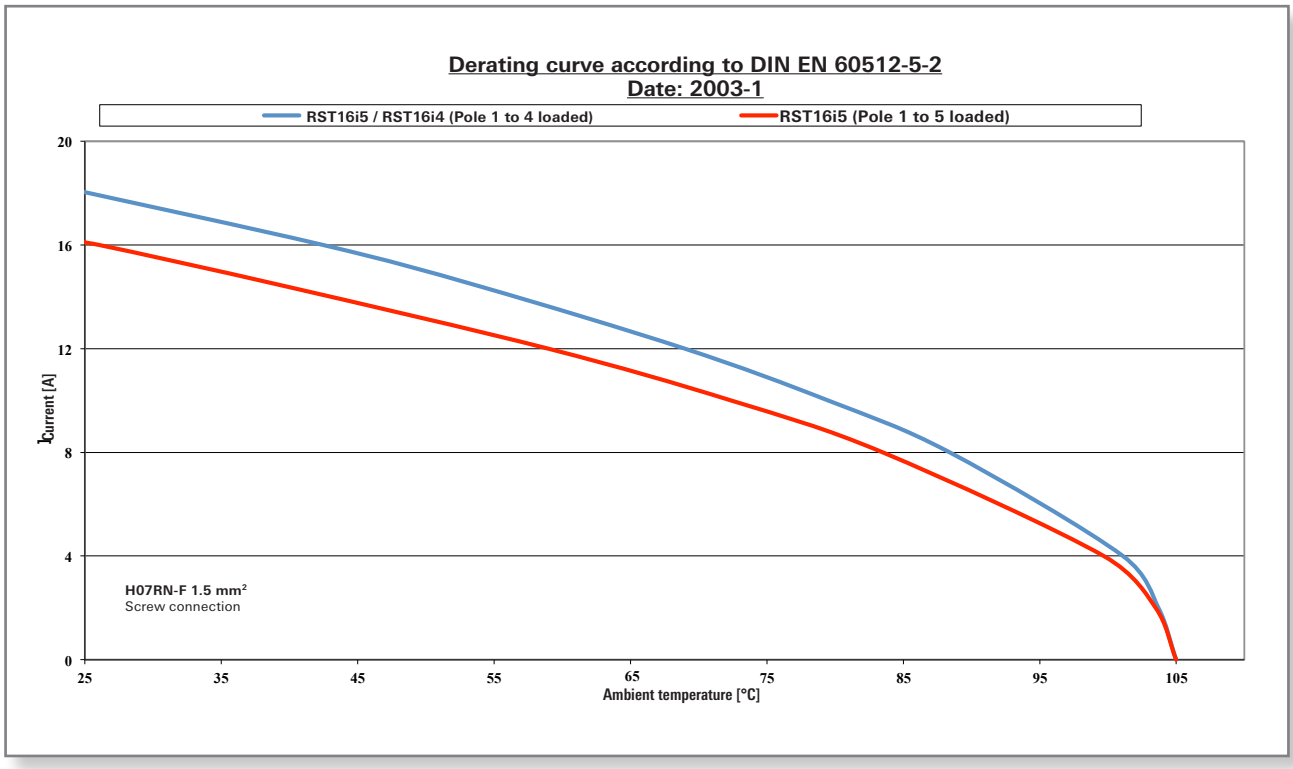
Wire strip lengths

fine-stranded (suitable for ferrules)



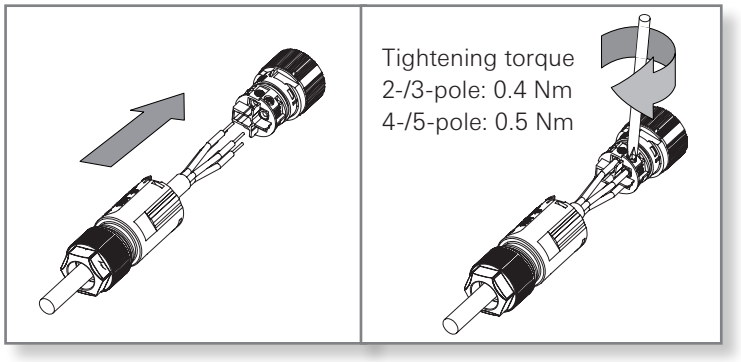
Conductor	PE	N, L, 1, 2, 3
Sheath strip length y (mm)	30	25
Wire strip length x (mm)	8	8


Derating curve according to DIN EN 60512-5-2
Date: 2003-1
RST16i3 (Pole 1,2,3 loaded)
RST16i3 / RST16i2 (Pole 1 and 2 loaded)
Current [A]
24
20
16
12
8
4
0
H07RN-F 1.5 mm²
Screw connection
25
35
45
55
65
75
85
95
105
Ambient temperature [°C]

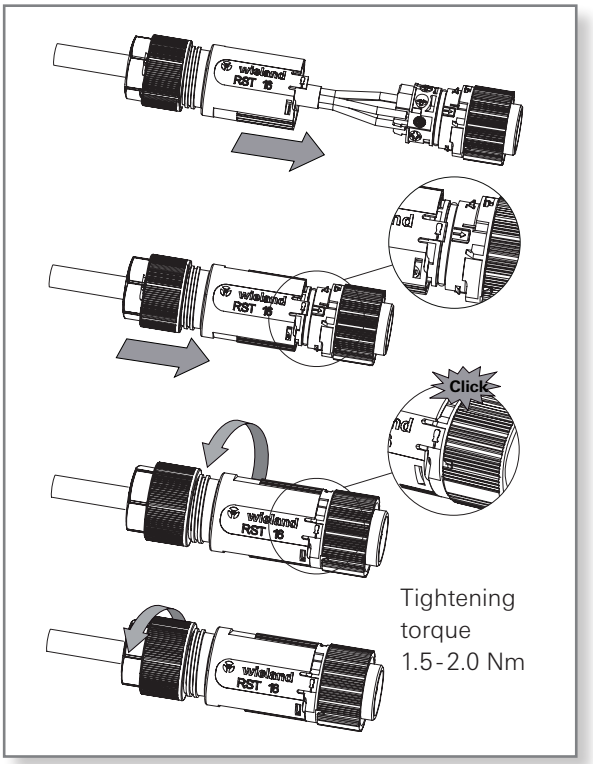

Derating curve according to DIN EN 60512-5-2
Date: 2003-1
RST16i5 / RST16i4 (Pole 1 to 4 loaded)
RST16i5 (Pole 1 to 5 loaded)
Current [A]
20
16
12
8
4
0
H07RN-F 1.5 mm²
Screw connection
25
35
45
55
65
75
85
95
105
Ambient temperature [°C]

Connectors 2-/3- and 4-/5-pole

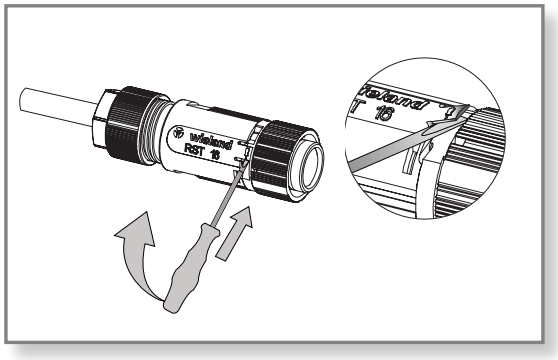
Wire connection



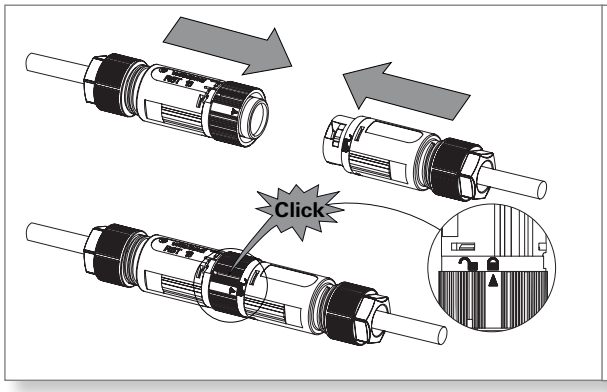
Closing



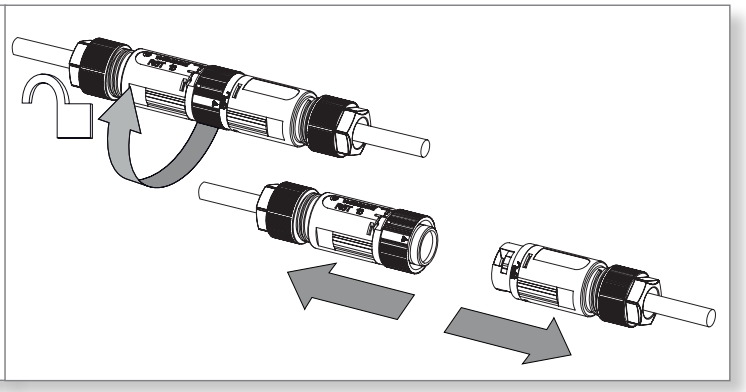
Opening the connector



Plugging and locking



Unlocking and separating

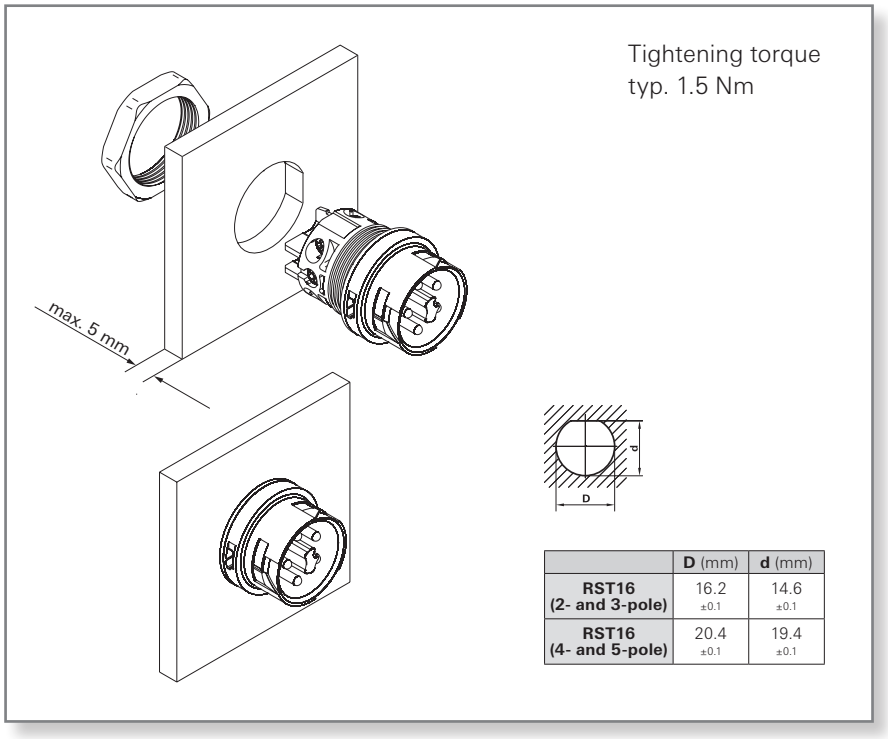


Please note that electrical connections and installation shall only be done by trained experts.
Observe the included installation instructions!

The corresponding installation instruction BA000960 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Device connections 2-/3- and 4-/5-pole

Housing installation

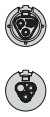
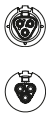


	D (mm)	d (mm)
RST16 (2- and 3-pole)	16.2 ±0.1	14.6 ±0.1
RST16 (4- and 5-pole)	20.4 ±0.1	19.4 ±0.1

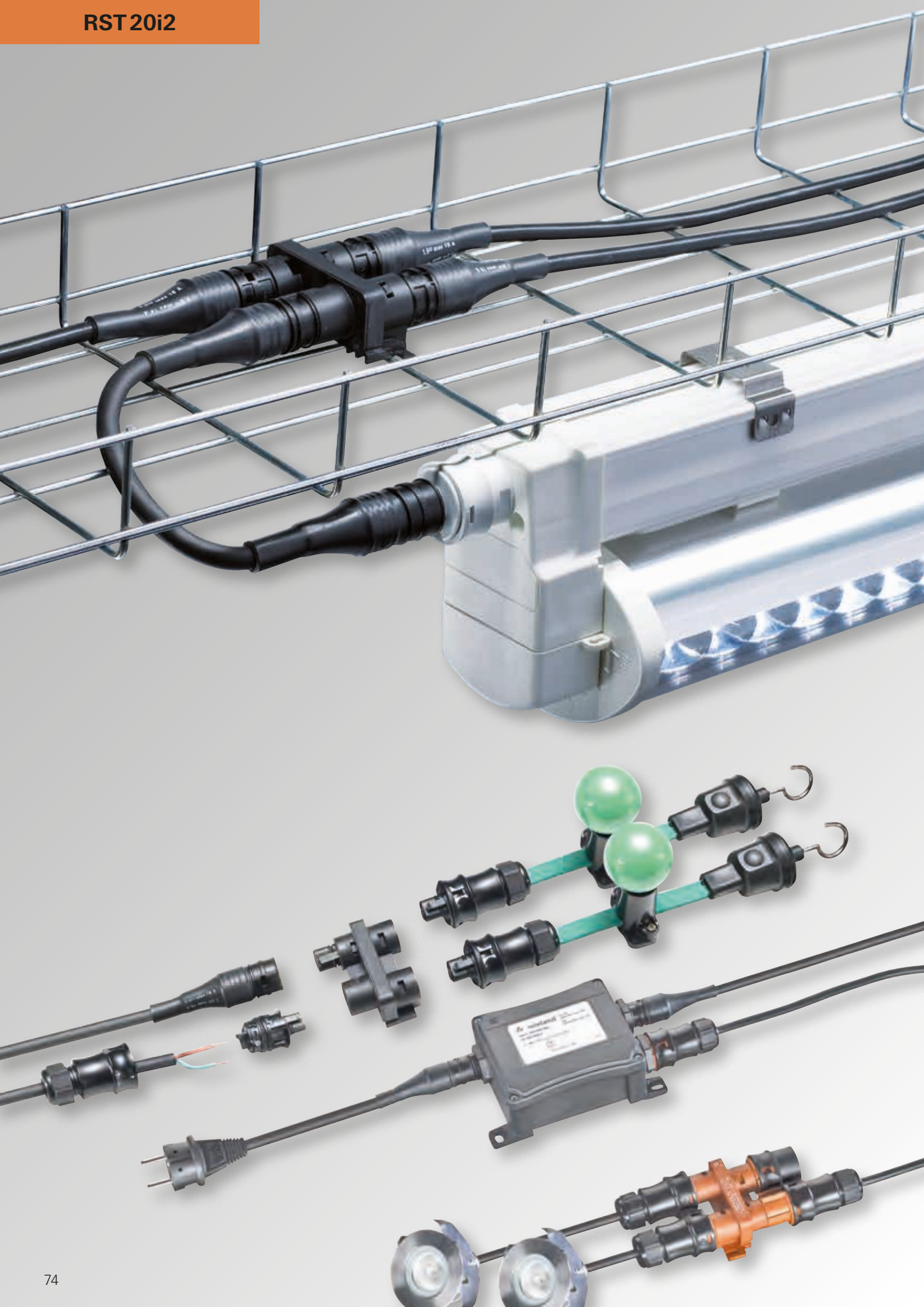
Please note that electrical connections and installation shall only be done by trained experts.
Observe the included installation instructions!

The corresponding installation instruction BA000960 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Overview matrix RST® CLASSIC.
Codings and applications at a glance

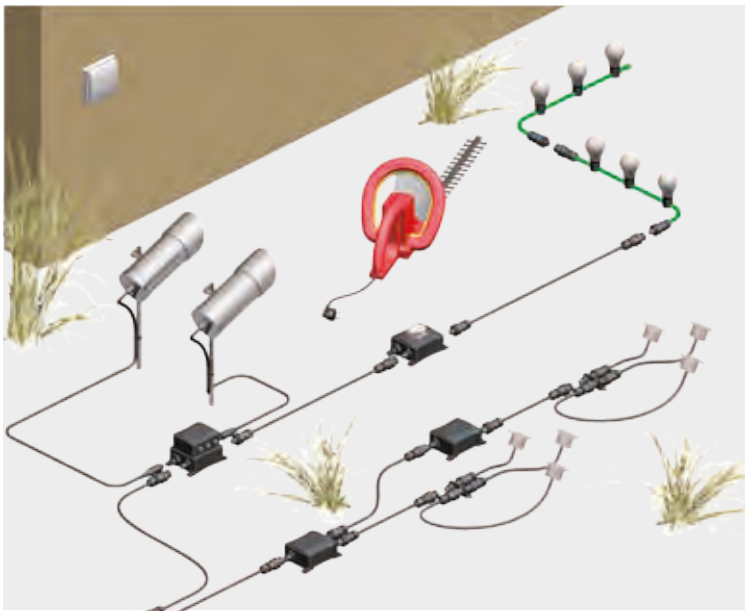
		RST 20i2 2-pole, 20A			RST 20i3 3-pole, 20A				RST 25i3 3-pole, 32A
Pole marking		L, N	+, –	1, 2	L, N, ⏚	1, 2, ⏚	1, 2, 3	1, 2, ⏚	L, N, ⏚
Application		250V black or light gray	~50/-120V pebble gray	~50/-120V signal brown	250V black or light gray	250/400V leaf green	250/400V light blue	~50/-120V signal brown	250V concrete gray
Contact insert male and female									
Spring clamp (F) Screw (S) Crimp (C)		F S	S	F S	F S C	F S	F S	F S	S
Connectors	1 x cable entry – Ø 6 –10 mm	✓	✓	✓	✓	✓	✓	✓	
	1 x cable entry – Ø 10 –14 mm	✓	✓	✓	✓	✓	✓	✓	✓
	1 x cable entry – Ø 13 –18 mm				✓	✓	✓		✓
	1 x cable entry – Flat cable 13 x 6 mm	✓							
	1 x cable entry – AS-i profile cable		✓						
	2 x cable entry – Ø 6 –10 mm	✓		✓	✓	✓	✓		✓
	2 x cable entry – Ø 10 –14 mm	✓		✓	✓	✓	✓		✓
	2 x cable entry – AS-i profile cable								
Device connectors	1 piece – M25	✓	✓	✓	✓	✓	✓	✓	✓
	2 piece – M16 straight	✓	✓	✓	✓	✓	✓	✓	✓
	2 piece – M16 7° angled	✓	✓	✓	✓	✓	✓	✓	✓
	2 piece – M20 straight	✓	✓	✓	✓	✓	✓	✓	✓
	2 piece – M20 angled	✓	✓	✓	✓	✓	✓	✓	✓
	2 piece – M25 angled	✓	✓	✓	✓	✓	✓	✓	✓
Distrib. units	Distribution block 1 I/3 O	✓	✓	✓	✓	✓		✓	
	RST® compact/ multi-distribution units	✓	✓	✓	✓	✓	✓	✓	✓
	Individual distribution box	✓	✓	✓	✓	✓	✓	✓	✓
Cable assemblies	Expansion cable Female – Male	✓	✓	✓	✓	✓	✓	✓	✓
	Power connection Female – Free end	✓	✓	✓	✓	✓	✓	✓	✓
	Power connection Male – Free end	✓	✓	✓	✓	✓	✓	✓	✓
	Power connection Safety plug – female				✓				
	Power cable/contour cable European connector, SKII – female	✓							

	RST 20i4		RST 20i5					RST 25i5	RST 20i6	RST 20i7		
	4-pole, 20A		5-pole, 20A					5-pole, 25 A (3~)	6-pole	7-pole		
	1, 2, 3, ⏚	1, 2, 3, 4	1, 2, 3, N, ⏚	L,N,⏚,D1,D2	1, 2, 3, 4, 5	N, E, 1, 2, 3	1, 2, 3, 4, 5	L, N, ⏚, 1, 2	L,N,⏚,1,2,LS	1,2,3,4/N,5,6, ⏚	1,2,3,4/N,5,6,7	L,N,⏚,1,2,3,4
	250/400V black or light gray	~50/-120V signal brown	250/400V black or light gray	250V turquoise	250/400V light blue	250/400V yellow	~50/-120V signal brown	250/400V concrete gray	250/400V türkisblau	250/400V black or light gray	250/400V light blue	250/400V turquoise
	S C	S C	S C	S C	S C	S	S C	S	S C	S C	S C	S C
	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓		✓	✓	✓		✓	✓				
		✓										
	✓	✓	✓	✓	✓		✓					
	✓	✓	✓	✓	✓		✓					
		✓										
	✓	✓	✓	✓	✓	✓	✓	✓				
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓				
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓



Applications in the range of protection class II and extra-low voltage for industry and LED technology

Application example



You therefore have the security of a clear separation of different applications without having to redo any incorrect connections. The color of the connectors indicates the links that belong together.

General

The two-pole connectors are based on the 3-pole variant, but with one pole not configured.
There are essentially two variants.
One coding can be used for protection class II applications and is downwardly compatible with the 3-pole system with ground conductor (RST 20i3). This makes it possible to transition from a system with earthing contact to a 2-pole system – but not the other way round!
The other version is aimed at applications in the extra-low voltage range, such as serial or parallel LED wiring, or at industrial applications with 24 V auxiliary power and AS-i.
All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

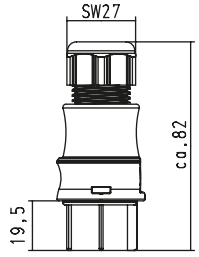
				Application	250V		~50/-120V	
				Mechanical coding	L, N		+, -	1, 2
Name	**Description**	**Connection style**	**Strain relief housing**	**Connection points per pole**	light gray	black	pebble gray	signal brown
Connector	1 x cable entry	Screw Spring clamp	yes	1 2	✓	✓	✓	✓
	2 x cable entry	Screw Spring clamp	yes	1 2	✓	✓	✓	✓
Distribution units	Distribution block 1 I/3 O				✓	✓	✓	✓
	RST compact distribution unit/multi-distribution unit				✓	✓	on request	✓
	Individual distribution box				on request	on request	on request	on request
	Series distribution unit for power LEDs							✓
Device connectors	M16 device connector, modular, straight				✓	✓	✓	✓
	M16 device connector, modular, angled 7°				✓	✓	✓	✓
	M25 device connector, standard				✓	✓	✓	✓
	M20 device connector, standard				✓	✓	✓	✓
	M20 device connector, modular, straight				✓	✓	✓	✓
	M25 device connector, modular, angled				✓	✓	✓	✓
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓
	Connection cable Female – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓
	Connection cable Male – Female	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓
	Connection cable Europ. conn. SK II – Female	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓
	Round cable	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓
	AS-i profile cable	pre-assembled	pre-assembled	pre-assembled			✓	

Connectors, straight
for cables Ø 6 – 10 mm and 10 –14 mm

Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules

with spring clamp connection

Wire	mm²	
rigid	0.75 – 6.0[2]	
fine-stranded		without ferrules
stranded		without ferrules

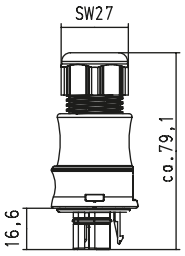
with screw connection[1]

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250V	L, N	6 – 10	light gray	96.021.0053.0	96.021.4053.0
			black	96.021.0053.1	96.021.4053.1
		10 – 14	light gray	96.021.0153.0	96.021.4153.0
			black	96.021.0153.1	96.021.4153.1
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	light gray	96.021.0453.0	96.021.4453.0
			black	96.021.0453.1	96.021.4453.1
	1, 2	6 – 10	leaf green	on request	96.021.4055.7
		10 – 14	leaf green	on request	96.021.4155.7
~50/-120V	+, –	Round cable 6 –10	pebble gray	96.021.0050.8	96.021.4050.8
		AS-i profile cable	pebble gray	96.021.0950.8	96.021.4950.8
	1, 2	6 – 10	signal brown	96.021.0051.4	96.021.4051.4
		AS-i profile cable	signal brown	96.021.0951.4	96.021.4951.4
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	signal brown	96.021.0451.4	96.021.4451.4

Male connector

Unmounted with cable gland and locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules

with spring clamp connection

Wire	mm²	
rigid	0.75 – 6.0[2]	
fine-stranded		without ferrules
stranded		without ferrules

with screw connection[1]

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250V	N, L	6 – 10	light gray	96.022.0053.0	96.022.4053.0
			black	96.022.0053.1	96.022.4053.1
		10 – 14	light gray	96.022.0153.0	96.022.4153.0
			black	96.022.0153.1	96.022.4153.1
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	light gray	96.022.0453.0	96.022.4453.0
			black	96.022.0453.1	96.022.4453.1
	1, 2	6 – 10	leaf green	on request	96.022.4055.7
		10 – 14	leaf green	on request	96.022.4155.7
~50/-120V	–, +	Round cable 6 –10	pebble gray	96.022.0050.8	96.022.4050.8
		AS-i profile cable	pebble gray	96.022.0950.8	96.022.4950.8
	2, 1	6 – 10	signal brown	96.022.0051.4	96.022.4051.4
		AS-i profile cable	signal brown	96.022.0951.4	96.022.4951.4
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	signal brown	96.022.0451.4	96.022.4451.4

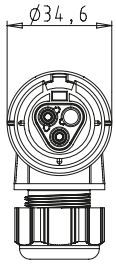
[1] With wire protection available on request
[2] With 6.0 mm² wires, the pull and bending forces at the connector must be taken into consideration and compensated using suitable measures if required. See also chapter on Technical Data and eShop.

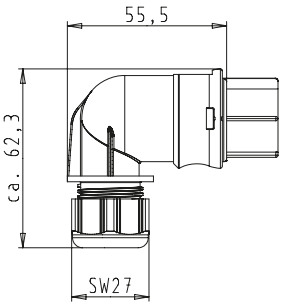
Connectors, angled 90°
for cables Ø 6 – 10 mm and 10 –14 mm

Female connector

Unmounted with cable gland.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





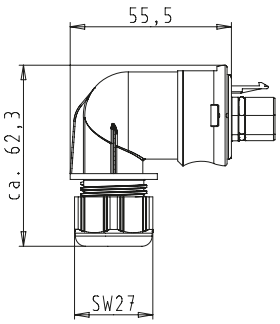
with spring clamp connection			with screw connection[1]		
Wire	mm²	Ferrules	Wire	mm²	
rigid	0.5 – 2.5		rigid	0.75 – 6.0[2]	without ferrules
fine-stranded	0.5 – 1.5	with ferrules	fine-stranded		
stranded	0.75 – 1.5	with ferrules	stranded		without ferrules

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250V	L, N	6 – 10	light gray black	96.023.0053.0 96.023.0053.1	96.023.4053.0 96.023.4053.1
		10 – 14	light gray black	96.023.0153.0 96.023.0153.1	96.023.4153.0 96.023.4153.1
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	light gray black	96.023.0453.0 96.023.0453.1	96.023.4453.0 96.023.4453.1
~50/-120V	+, –	Round cable 6 –10	pebble gray	96.023.0050.8	96.023.4050.8
		AS-i profile cable	pebble gray	96.023.0950.8	96.023.4950.8
	1, 2	6 – 10	signal brown	96.023.0051.4	96.023.4051.4
		AS-i profile cable	signal brown	96.023.0951.4	96.023.4951.4
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	signal brown	96.023.0451.4	96.023.4451.4

Male connector

Unmounted with cable gland.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



with spring clamp connection			with screw connection[1]		
Wire	mm²	Ferrules	Wire	mm²	
rigid	0.5 – 2.5		rigid	0.75 – 6.0[2]	without ferrules
fine-stranded	0.5 – 1.5	with ferrules	fine-stranded		
stranded	0.75 – 1.5	with ferrules	stranded		without ferrules

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250V	N, L	6 – 10	light gray black	96.024.0053.0 96.024.0053.1	96.024.4053.0 96.024.4053.1
		10 – 14	light gray black	96.024.0153.0 96.024.0153.1	96.024.4153.0 96.024.4153.1
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	light gray black	96.024.0453.0 96.024.0453.1	96.024.4453.0 96.024.4453.1
~50/-120V	–, +	Round cable 6 –10	pebble gray	96.024.0050.8	96.024.4050.8
		AS-i profile cable	pebble gray	96.024.0950.8	96.024.4950.8
	2, 1	6 – 10	signal brown	96.024.0051.4	96.024.4051.4
		AS-i profile cable	signal brown	96.024.0951.4	96.024.4951.4
		Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	signal brown	96.024.0451.4	96.024.4451.4

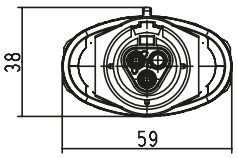
[1] With wire protection available on request
[2] With 6.0 mm² wires, the pull and bending forces at the connector must be taken into consideration and compensated using suitable measures if required. See also chapter on Technical Data and eShop.

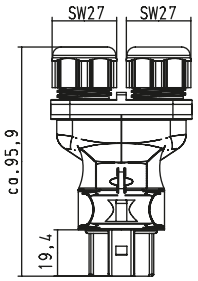
Splitter connector, straight
for cables Ø 6 – 10 mm and 10 –14 mm

Female connector

Unmounted with cable gland.

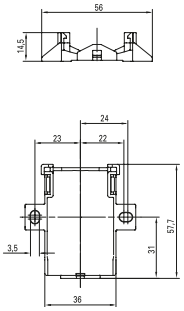
See the Technical Data for insulation strip lengths as well as the ferrules to be used.





				with spring clamp connection			with screw connection[1]		
				Wire	mm²	Ferrules	Wire	mm²	
				rigid	0.5 – 2.5		rigid	0.75 – 2.5	without ferrules
				fine-stranded	0.5 – 1.5	with ferrules	fine-stranded		
				stranded	0.75 – 1.5	with ferrules	stranded		without ferrules
Application	Coding		Cable diameter in mm	Color	Part No.		Part No.		
250V	L, N		6 – 10	light gray	96.021.0253.0		96.021.4253.0		
				black	96.021.0253.1		96.021.4253.1		
			10 – 14	light gray	96.021.0353.0		96.021.4353.0		
				black	96.021.0353.1		96.021.4353.1		
			Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	light gray	on request		on request		
				black	on request		on request		
~50/-120V	1, 2		6 – 10	signal brown	96.021.0251.4		96.021.4251.4		
			AS-i profile cable	signal brown	96.021.0351.4		96.021.4351.4		
			Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5²	signal brown	on request		on request		

Mounting plate for splitter connectors



Color	Part No.
gray	01.006.1553.0
black	01.006.1553.1

[1] With wire protection available on request

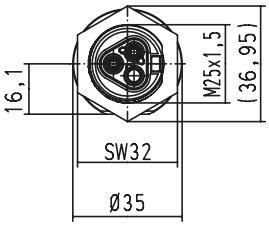
M25 device connector
straight, standard

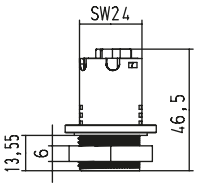
Female connector

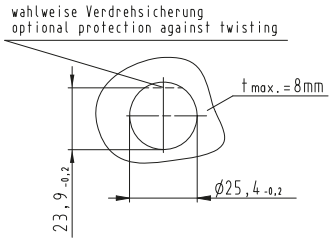
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.

For spacer rings for unlocking at the device connetor, see Accessories.







Application	Coding	Color	with spring clamp connection Part No.	with screw connection[1] Part No.
250V	L, N	light gray black	96.021.1053.0 96.021.1053.1	96.021.5053.0 96.021.5053.1
~50/-120V	+, –	pebble gray	96.021.1050.8	96.021.5050.8
	1, 2	signal brown	96.021.1051.4	96.021.5051.4

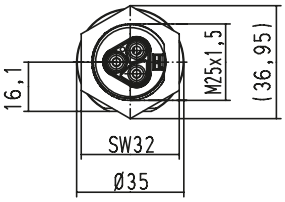
with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M25 x 1.5	
Gland	outside	

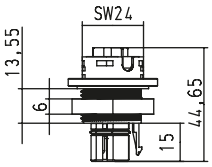
with screw connection[1]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M25 x 1.5	
Gland	outside	

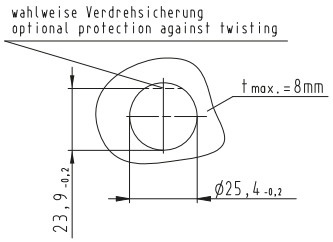
Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside. With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







Application	Coding	Color	with spring clamp connection Part No.	with screw connection[1] Part No.
250V	N, L	light gray black	96.022.1053.0 96.022.1053.1	96.022.5053.0 96.022.5053.1
~50/-120V	–, +	pebble gray	96.022.1050.8	96.022.5058.8
	1, 2	signal brown	96.022.1051.4	96.022.5051.4

with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M25 x 1.5	
Gland	outside	

with screw connection[1]		
Wire	mm²	
rigid	0.75 – 6.0[2]	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M25 x 1.5	
Gland	outside	

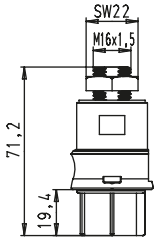
[1] With wire protection available on request

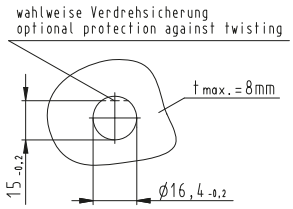
M16 device connector
straight, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





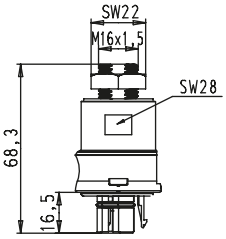
	with spring clamp connection			with screw connection[1)]		
Wire	mm²	Ferrules		Wire	mm²	
rigid	0.5 – 2.5			rigid	0.75 – 6.0	
fine-stranded	0.5 – 1.5	with ferrules		fine-stranded		without ferrules
stranded	0.75 – 1.5	with ferrules		stranded		without ferrules
Term. poles	2			Term. poles	1	
Thread	M16 x 1.5			Thread	M16 x 1.5	
Gland	inside			Gland	inside	

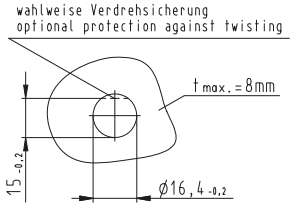
Application	Coding	Color	Part No.	Part No.
250V	L, N	light gray black	96.021.2153.0 96.021.2153.1	96.021.6153.0 96.021.6153.1
~50/-120V	+, –	pebble gray	96.021.2150.8	96.021.6150.8
	1, 2	signal brown	96.021.2151.4	96.021.6151.4

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





	with spring clamp connection			with screw connection[1)]		
Wire	mm²	Ferrules		Wire	mm²	
rigid	0.5 – 2.5			rigid	0.75 – 6.0	
fine-stranded	0.5 – 1.5	with ferrules		fine-stranded		without ferrules
stranded	0.75 – 1.5	with ferrules		stranded		without ferrules
Term. poles	2			Term. poles	1	
Thread	M16 x 1.5			Thread	M16 x 1.5	
Gland	inside			Gland	inside	

Application	Coding	Color	Part No.	Part No.
250V	N, L	light gray black	96.022.2153.0 96.022.2153.1	96.022.6153.0 96.022.6153.1
~50/-120V	–, +	pebble gray	96.022.2150.8	96.022.6150.8
	1, 2	signal brown	96.022.2151.4	96.022.6151.4

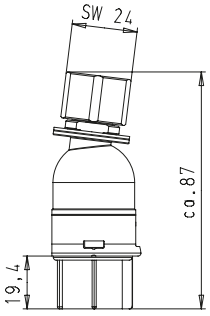
[1)] With wire protection available on request

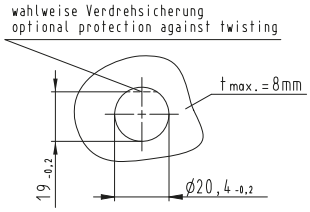
M16 device connector
angled 7°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M16 x 1.5	
Gland	inside	

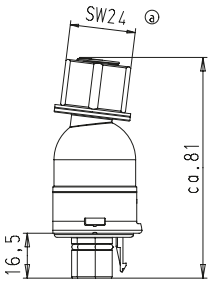
with screw connection[1)]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M16 x 1.5	
Gland	inside	

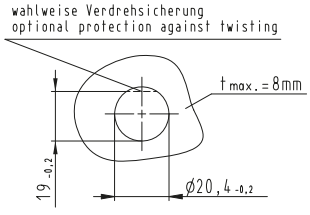
Application	Coding	Color	Part No.	Part No.
250V	L, N	light gray black	96.025.2153.0 96.025.2153.1	96.025.6153.0 96.025.6153.1
~50/-120V	+, –	pebble gray		96.025.6150.8
	1, 2	signal brown	96.025.2151.4	96.025.6151.4

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M16 x 1.5	
Gland	inside	

with screw connection[1)]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M16 x 1.5	
Gland	inside	

Application	Coding	Color	Part No.	Part No.
250V	N, L	light gray black	96.026.2153.0 96.026.2153.1	96.026.6153.0 96.026.6153.1
~50/-120V	–, +	pebble gray	96.026.2150.8	96.026.6150.8
	1, 2	signal brown	96.026.2151.4	96.026.6151.4

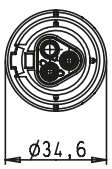
[1)] With wire protection available on request

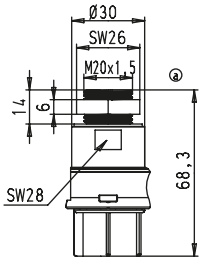
M20 device connector
straight, modular

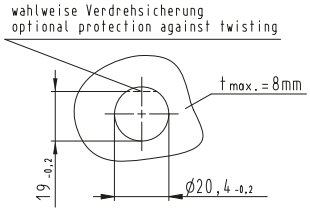
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M20 x 1.5	
Gland	inside	

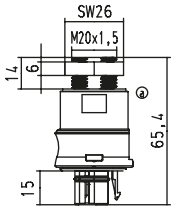
with screw connection[1)]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M20 x 1.5	
Gland	inside	

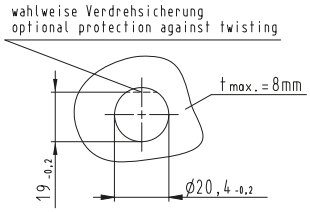
Application	Coding	Color	Part No.	Part No.
250V	L, N	light gray black	96.021.2053.0 96.021.2053.1	96.021.6053.0 96.021.6053.1
~50/-120V	+, –	pebble gray		96.021.6050.8
	1, 2	signal brown	96.021.2051.4	96.021.6051.4

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M20 x 1.5	
Gland	inside	

with screw connection[1)]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M20 x 1.5	
Gland	inside	

Application	Coding	Color	Part No.	Part No.
250V	L, N	light gray black	96.022.2053.0 96.022.2053.1	96.022.6053.0 96.022.6053.1
~50/-120V	+, –	pebble gray		96.022.6050.8
	1, 2	signal brown	96.022.2051.4	96.022.6051.4

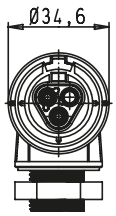
[1)] With wire protection available on request

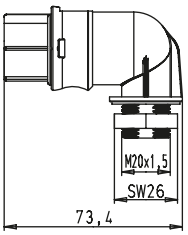
M20 device connector
angled 90°, modular

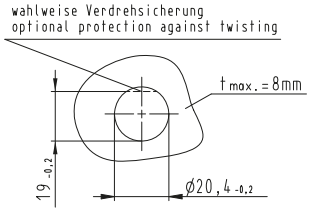
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







Application	Coding	Color	with spring clamp connection: Part No.	with screw connection[1]: Part No.
250V	L, N	light gray black	96.023.2053.0 96.023.2053.1	96.023.6053.0 96.023.6053.1
~50/-120V	+, –	pebble gray	96.023.2050.8	96.023.6050.8
	1, 2	signal brown	96.023.2051.4	96.023.6051.4

with spring clamp connection

Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M20 x 1.5	
Gland	inside	

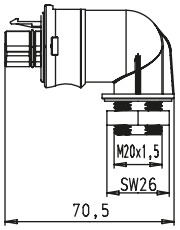
with screw connection[1]

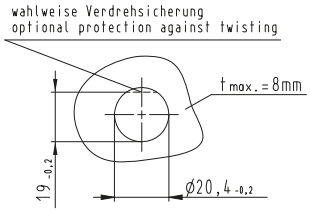
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M20 x 1.5	
Gland	inside	

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





Application	Coding	Color	with spring clamp connection: Part No.	with screw connection[1]: Part No.
250V	L, N	light gray black	96.024.2053.0 96.024.2053.1	96.024.6053.0 96.024.6053.1
~50/-120V	+, –	pebble gray	96.024.2050.8	96.024.6050.8
	1, 2	signal brown	96.024.2051.4	96.024.6051.4

with spring clamp connection

Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M20 x 1.5	
Gland	inside	

with screw connection[1]

Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M20 x 1.5	
Gland	inside	

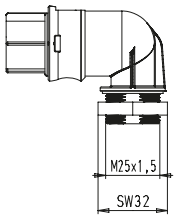
[1] With wire protection available on request

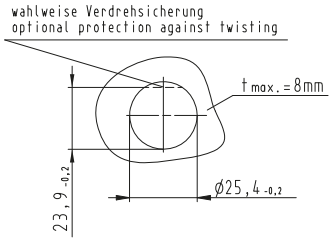
M25 device connector
angled 90°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M25 x 1.5	
Gland	inside	

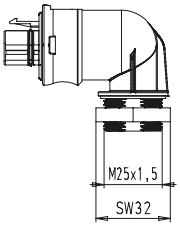
with screw connection[1)]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M25 x 1.5	
Gland	inside	

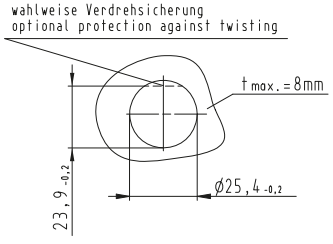
Application	Coding	Color	Part No.	Part No.
250V	L, N	light gray black	96.023.2253.0 96.023.2253.1	96.023.6253.0 96.023.6253.1
~50/-120V	+, –	pebble gray	96.023.2250.8	96.023.6250.8
	1, 2	signal brown	96.023.2251.4	96.023.6251.4

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





with spring clamp connection		
Wire	mm²	Ferrules
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules
Term. poles	2	
Thread	M25 x 1.5	
Gland	inside	

with screw connection[1)]		
Wire	mm²	
rigid	0.75 – 6.0	
fine-stranded		without ferrules
stranded		without ferrules
Term. poles	1	
Thread	M25 x 1.5	
Gland	inside	

Application	Coding	Color	Part No.	Part No.
250V	L, N	light gray black	96.024.2253.0 96.024.2253.1	96.024.6253.0 96.024.6253.1
~50/-120V	+, –	pebble gray	96.024.2250.8	96.024.6250.8
	1, 2	signal brown	96.024.2251.4	96.024.6251.4

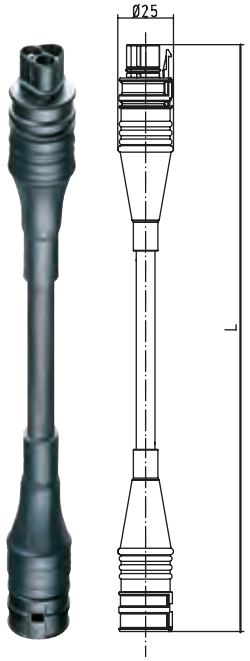
[1)] With wire protection available on request

Cable assemblies
Cable 2 x 1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	shrinkage tube
Interlock	integrated
Color cable	black
Color shrinkage tube	black

Connection cables female – male

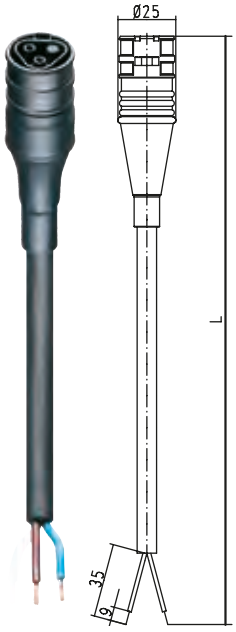


2-pole connectors – one pole is not configured.

Cable	Length m	250V black N = BU L = BN	~50/-120V signal brown 1 = BU 2 = BN	~50/-120V pebble gray – = BU + = BN
PVC cable H05VV-F containing halogen	1	96.222.1000.1	96.222.1002.4	on request
	2	96.222.2000.1	96.222.2002.4	
	3	96.222.3000.1	96.222.3002.4	
	4	96.222.4000.1	96.222.4002.4	
	5	96.222.5000.1	96.222.5002.4	
	6	96.222.6000.1	96.222.6002.4	
	7	96.222.7000.1	96.222.7002.4	
	8	96.222.8000.1	96.222.8002.4	

Cable	Length m	Part No.	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.222.1030.1	96.222.1032.4	on request
	2	96.222.2030.1	96.222.2032.4	
	3	96.222.3030.1	96.222.3032.4	
	4	96.222.4030.1	96.222.4032.4	
	5	96.222.5030.1	96.222.5032.4	
	6	96.222.6030.1	96.222.6032.4	
	7	96.222.7030.1	96.222.7032.4	
	8	96.222.8030.1	96.222.8032.4	

Connection cables female – free end



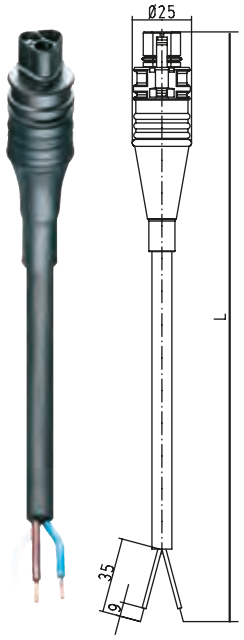
2-pole connectors – one pole is not configured.

Cable	Length m	250V black N = BU L = BN	~50/-120V signal brown 1 = BU 2 = BN	~50/-120V pebble gray – = BU + = BN
PVC cable H05VV-F containing halogen	1	96.222.1003.1	96.222.1007.4	on request
	2	96.222.2003.1	96.222.2007.4	
	3	96.222.3003.1	96.222.3007.4	
	4	96.222.4003.1	96.222.4007.4	
	5	96.222.5003.1	96.222.5007.4	
	6	96.222.6003.1	96.222.6007.4	
	7	96.222.7003.1	96.222.7007.4	
	8	96.222.8003.1	96.222.8007.4	

Cable	Length m	Part No.	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.222.1033.1	96.222.1037.4	on request
	2	96.222.2033.1	96.222.2037.4	
	3	96.222.3033.1	96.222.3037.4	
	4	96.222.4033.1	96.222.4037.4	
	5	96.222.5033.1	96.222.5037.4	
	6	96.222.6033.1	96.222.6037.4	
	7	96.222.7033.1	96.222.7037.4	
	8	96.222.8033.1	96.222.8037.4	

Cable assemblies
Cable 2 x 1.5 mm²; 16 A

Connection cables male – free end

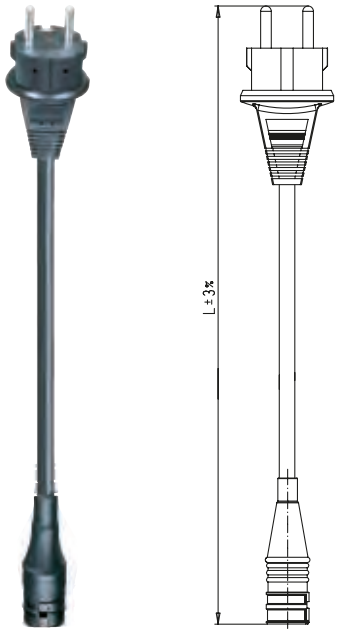


Cable	Length m	250V black N = BU L = BN	~50/-120V signal brown 1 = BU 2 = BN	~50/-120V pebble gray – = BU + = BN
PVC cable H05VV-F containing halogen	1	96.222.1004.1	96.222.1008.4	on request
	2	96.222.2004.1	96.222.2008.4	
	3	96.222.3004.1	96.222.3008.4	
	4	96.222.4004.1	96.222.4008.4	
	5	96.222.5004.1	96.222.5008.4	
	6	96.222.6004.1	96.222.6008.4	
	7	96.222.7004.1	96.222.7008.4	
	8	96.222.8004.1	96.222.8008.4	

Cable	Length m	Part No.	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.222.1034.1	96.222.1038.4	on request
	2	96.222.2034.1	96.222.2038.4	
	3	96.222.3034.1	96.222.3038.4	
	4	96.222.4034.1	96.222.4038.4	
	5	96.222.5034.1	96.222.5038.4	
	6	96.222.6034.1	96.222.6038.4	
	7	96.222.7034.1	96.222.7038.4	
	8	96.222.8034.1	96.222.8038.4	

2-pole connectors – one pole is not configured.

Power Connection cable
Male: european standard (SKII) – female: ***RST***®



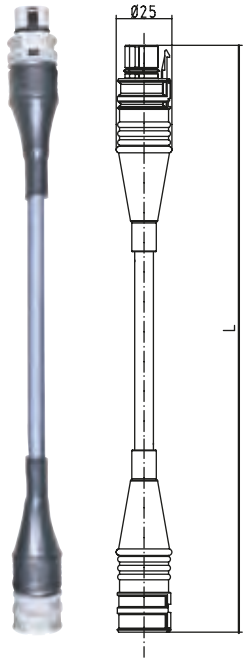
Cable	Length m	250V black Part No..
Rubber-sheathed cable H07RN-F containing halogen	1.5	99.708.0000.7

Cable assemblies
Cable 2 x 1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	shrinkage tube
Interlock	integrated
Color cable	gray
Color shrinkage tube	black

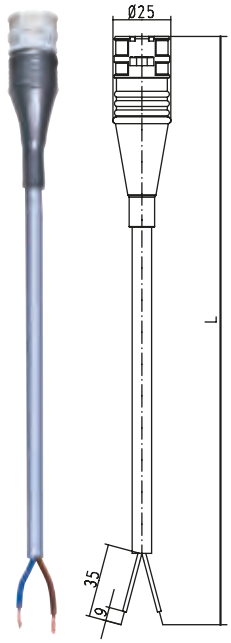
Connection cables female – male



2-pole connectors – one pole is not configured.

Cable	Length m	~50/-120V pebble gray – = BU + = BN	~50/-120V signal brown 1 = BU 2 = BN
PVC cable Ölflex Classic 100 containing halogen	1	96.222.1092.8	96.222.1092.4
	2	96.222.2092.8	96.222.2092.4
	3	96.222.3092.8	96.222.3092.4
	4	96.222.4092.8	96.222.4092.4
	5	96.222.5092.8	96.222.5092.4
	6	96.222.6092.8	96.222.6092.4
	7	96.222.7092.8	96.222.7092.4
	8	96.222.8092.8	96.222.8092.4

Connection cables female – free end

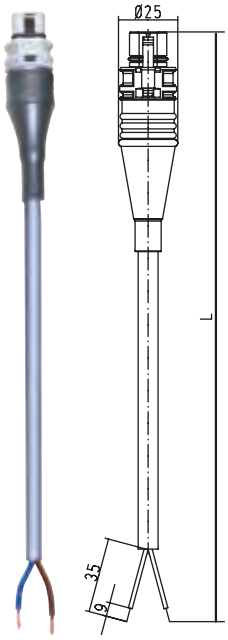


2-pole connectors – one pole is not configured.

Cable	Length m	~50/-120V pebble gray – = BU + = BN	~50/-120V signal brown 1 = BU 2 = BN
PVC cable Ölflex Classic 100 containing halogen	1	96.222.1097.8	96.222.1097.4
	2	96.222.2097.8	96.222.2097.4
	3	96.222.3097.8	96.222.3097.4
	4	96.222.4097.8	96.222.4097.4
	5	96.222.5097.8	96.222.5097.4
	6	96.222.6097.8	96.222.6097.4
	7	96.222.7097.8	96.222.7097.4
	8	96.222.8097.8	96.222.8097.4

Cable assemblies
Cable 2 x 1.5 mm²; 16 A

Connection cables male – free end



2-pole connectors – one pole is not configured.

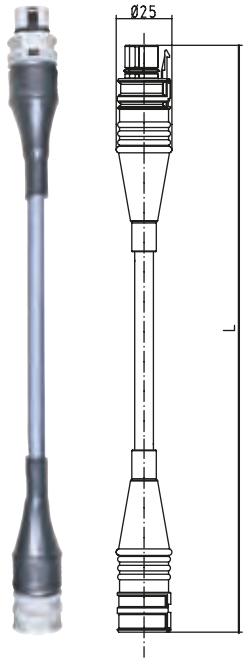
Cable	Length m	~50/-120V pebble gray ~ = BU + = BN	~50/-120V signal brown 1 = BU 2 = BN
PVC cable Ölflex Classic 100 containing halogen	1	96.222.1098.8	96.222.1098.4
	2	96.222.2098.8	96.222.2098.4
	3	96.222.3098.8	96.222.3098.4
	4	96.222.4098.8	96.222.4098.4
	5	96.222.5098.8	96.222.5098.4
	6	96.222.6098.8	96.222.6098.4
	7	96.222.7098.8	96.222.7098.4
	8	96.222.8098.8	96.222.8098.4

Cable assemblies
Cable 2 x 2.5 mm²; 20 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	shrinkage tube
Interlock	integrated
Color cable	gray
Color shrinkage tube	black

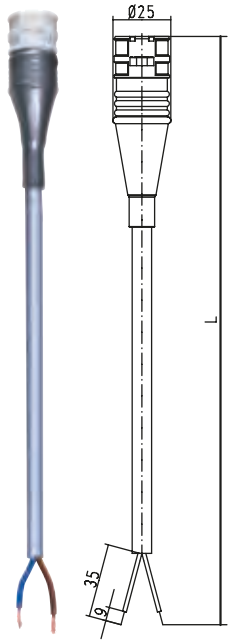
Connection cables female – male



2-pole connectors – one pole is not configured.

Cable	Length m	~50/-120V pebble gray Part No.	~50/-120V signal brown Part No.
PVC cable Ölflex Classic 100 containing halogen	1	96.223.1092.8	96.223.1092.4
	2	96.223.2092.8	96.223.2092.4
	3	96.223.3092.8	96.223.3092.4
	4	96.223.4092.8	96.223.4092.4
	5	96.223.5092.8	96.223.5092.4
	6	96.223.6092.8	96.223.6092.4
	7	96.223.7092.8	96.223.7092.4
	8	96.223.8092.8	96.223.8092.4

Connection cables female – free end

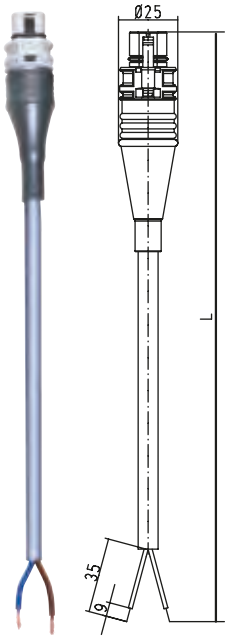


2-pole connectors – one pole is not configured.

Cable	Length m	~50/-120V pebble gray Part No.	~50/-120V signal brown Part No.
PVC cable Ölflex Classic 100 containing halogen	1	96.223.1097.8	96.223.1097.4
	2	96.223.2097.8	96.223.2097.4
	3	96.223.3097.8	96.223.3097.4
	4	96.223.4097.8	96.223.4097.4
	5	96.223.5097.8	96.223.5097.4
	6	96.223.6097.8	96.223.6097.4
	7	96.223.7097.8	96.223.7097.4
	8	96.223.8097.8	96.223.8097.4

Cable assemblies
Cable 2 x 2.5 mm²; 20 A

Connection cables male – free end



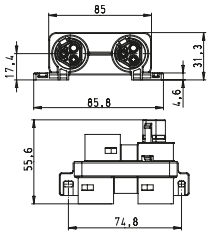
Cable	Length m	~50/-120V pebble gray – = BU + = BN Part No.	~50/-120V signal brown 1 = BU 2 = BN Part No.
PVC cable Ölflex Classic 100 containing halogen	1	96.223.1098.8	96.223.1098.4
	2	96.223.2098.8	96.223.2098.4
	3	96.223.3098.8	96.223.3098.4
	4	96.223.4098.8	96.223.4098.4
	5	96.223.5098.8	96.223.5098.4
	6	96.223.6098.8	96.223.6098.4
	7	96.223.7098.8	96.223.7098.4
	8	96.223.8098.8	96.223.8098.4

2-pole connectors – one pole is not configured.

Distribution block

Distribution block 1I/3O (parallel connection), for protection class II, AS-i or LEDs

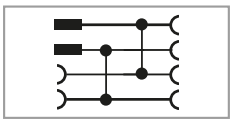
Interlock Yes



with fastening option

Color	Application	Pole marking	Input	Outputs	Part No.
■ black	250V	L, N	1	3	96.020.0153.1
■ light grey	250V	L, N	1	3	96.020.0153.0
■ pebble gray	~50/-120V	+, –	1	3	96.020.0150.8
■ signal brown	~50/-120V	1, 2	1	3	96.020.0151.4

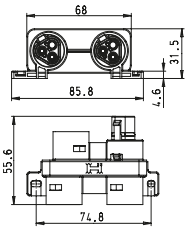
Circuit diagram



without fastening option

Color	Application	Pole marking	Input	Outputs	Part No.
■ black	250V	L, N	1	3	96.020.0253.1
■ light grey	250V	L, N	1	3	96.020.0253.0
■ pebble gray	~50/-120V	+, –	1	3	96.020.0250.8
■ signal brown	~50/-120V	1, 2	1	3	96.020.0251.4

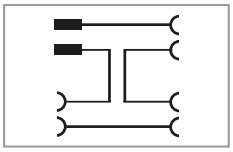
Distribution block 1 I/3 O (series connection) for power LEDs



with fastening option

Color	Application	Pole marking	Input	Outputs	Part No.
■ signal brown	~50/-120V	1, 2	1	3	99.910.0000.7

Circuit diagram

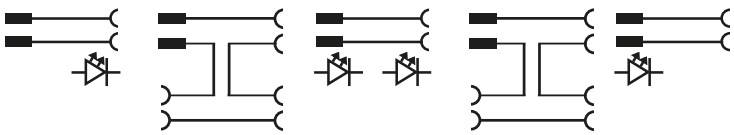


jumper plug

Color	Application	Pole marking	Part No.
■ signal brown	~50/-120V	1, 2	99.537.0000.7

For jumpering od unused slots on the series distribution unit

e.g. circuit diagrams



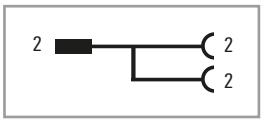
Distribution unit

RST compact distribution unit 1I/2O

Dimensions	104 x 162 x 57.2 mm	Fitted as required with	M25 device connectors 2-pole
		Pre-wired with	2.5 mm² (halogen free)
		Mounting option	Yes

Color	Input	Outputs	Part No.
■ black	1, RST20i2	2, RST20i2	99.942.0000.7

Circuit diagram

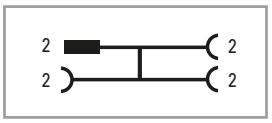


Compact distribution unit 1I/3O

Dimensions	104 x 162 x 57.2 mm	Fitted as required with	M25 device connectors 2-pole
		Pre-wired with	2.5 mm² (halogen free)
		Mounting option	Yes

Color	Input	Outputs	Part No.
■ light gray	1, RST20i2	3, RST20i2	99.990.0000.7
■ black	1, RST20i2	3, RST20i2	upon request

Circuit diagram

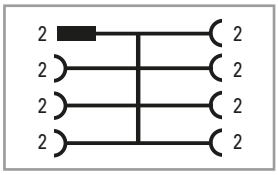


Multi distribution unit 1I/7O

Dimensions	104 x 162 x 96 mm	Fitted as required with	M25 device connectors 2-pole
		Pre-wired with	2,5 mm² (halogen free)
		Fuses	6.3 or 10A can be integrated

Color	Input	Outputs	Part No.
■ signal brown	1, RST20i2	7, RST20i2	99.946.0000.7
■ black	1, RST20i2	7, RST20i2	99.988.0000.7

Circuit diagram



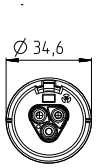
Detailed information about the distribution units available in section "Compact/Multiple distribution units".

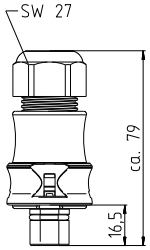
Connector for pole plucket, straight
For cables Ø 6 - 10 mm and Illumination cable 13.3 x 5.3

Male connector

Unmounted with screwed cable gland.
Without locking slide Safety Clip.

Sheath stripping and insulation removal lengths refer to Technical data.





with screw connection

Cables	mm²	Ferrule
Rigid	0.5 – 2.5	
Fine stranded	0.5 – 1.5	with ferrule
Multi-stranded	0.75 – 1.5	with ferrule

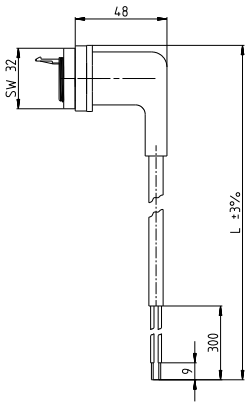
Application	Coding	Ø cable mm	Color	Part No.
250V	L, N	6 – 10	black	99.592.0000.7
		for illumination cable 13.3 x 5.3 H05RNH2-F2 x 1.5²	black	99.593.0000.7

Cable assembly for pole socket
Cable 2 x 1.5 mm²; 16 A

Rated values	
Wire ends	ultrason. welded
Sheath strip length	30 mm
Wire strip length	9 mm

Pull relief	shrinkage tube
Interlock	Integrated
Color cable	black
Color shrinkage tube	black

Connection cables female - free end



250V
black

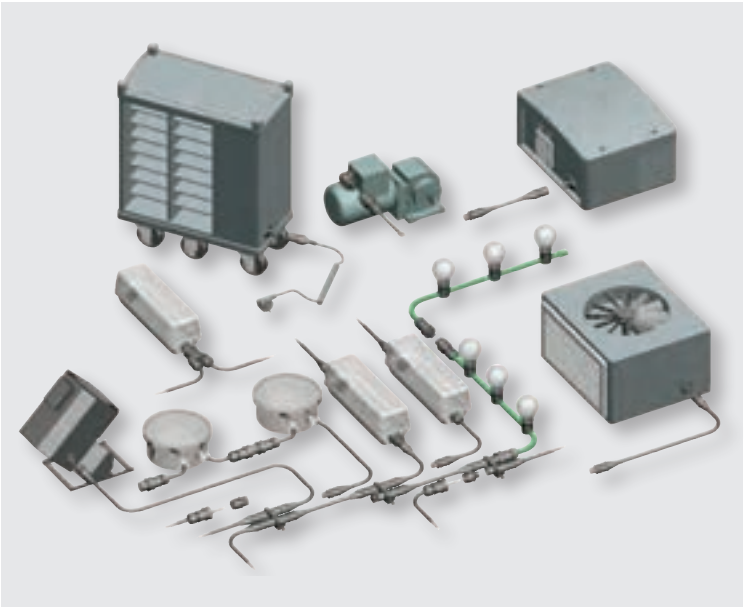
Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	99.504.0000.7
	2	99.505.0000.7
	3	99.506.0000.7
	4	99.507.0000.7
	5	99.508.0000.7
	6	99.511.0000.7
	9	99.534.0000.7

2-pole connectors – one pole is not configured.


wieland
X2

Standard variant for network applications – polyphase systems, switching applications 250 V and low voltage

Application example



General

With the 3-pole connectors, there are four available variants: Three versions for applications up to 250/400V (e.g. general network applications, switching applications, applications for multiphase systems) and a version for extra-low voltages up to ~50/-120V. All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear separation of different applications without having to redo any incorrect connections.

The color of the connectors indicates the links that belong together.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com. Assembly instructions and other technical information can be found in the Technical Data or in eShop.

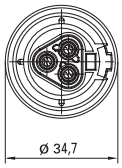
				Application	250V		250/400V	250/400V	~50/-120V
				Mechanical coding	L, N, ⏚		1, 2, ⏚	1, 2, 3	1, 2, ⏚
Name	**Description**	**Connection style**	**Strain relief housing**	**Connection points per pole**	light gray	black	leaf green	light blue	signal brown
Connector	1 x cable entry	Screw Spring clamp Crimp	yes	1	✓	✓	✓	✓	✓
	2 x cable entry	Screw Spring clamp Crimp	yes	2	✓	✓	✓		
Distribution units	Distribution block 1I/30				✓	✓	✓	✓	✓
	RST compact distribution unit / multi-distribution unit				on request	on request	on request	on request	on request
	Individual distribution box				on request	on request	on request	on request	on request
Device connectors	M16 device connector, modular, straight				✓	✓	✓	✓	✓
	M16 device connector, modular, angled 7°				✓	✓	✓	✓	✓
	M25 device connector, standard				✓	✓	✓	✓	✓
	M20 device connector, standard				✓	✓	✓	✓	✓
	M20 device connector, modular, straight				✓	✓	✓	✓	✓
	M25 device connector, modular, angled				✓	✓	✓	✓	✓
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓		✓
	Connection cable Female – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓		✓
	Extension cable Male – Female	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓		✓
	Connection cable Schuko – Female	pre-assembled	pre-assembled	pre-assembled	✓	✓			

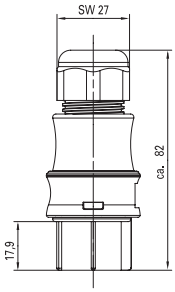
Connectors, straight
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



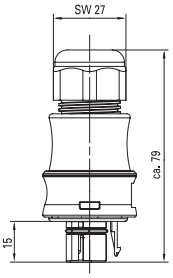


				with spring clamp conn.	with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²	Wire / mm²
				rigid 0.5 – 2.5 fine-stranded 0.5 – 1.5 stranded 0.75 – 1.5	rigid fine-stranded 0.75 – 6.0[2] stranded	fine-stranded 0.75 – 4.0
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	6 – 10	light gray black	96.031.0053.0 96.031.0053.1	96.031.4053.0 96.031.4053.1	96.131.0053.0 96.131.0053.1
		10 – 14	light gray black	96.031.0153.0 96.031.0153.1	96.031.4153.0 96.031.4153.1	96.131.0153.0 96.131.0153.1
	1, 2, ⏚	6 – 10 10 –14	leaf green	96.031.0055.7 96.031.0155.7	96.031.4055.7 96.031.4155.7	
	1, 2, 3	6 – 10 10 –14	light blue	96.031.0053.9 96.031.0153.9	96.031.4053.9 96.031.4153.9	
~50/-120V	1, 2, ⏚	6 – 10 10 –14	signal- brown	96.031.0051.4 96.031.0151.4	96.031.4051.4 96.031.4151.4	
				Fine-stranded and stranded wires **only with** ferrules (see accessories)	Fine-stranded and stranded wires **without** ferrules	Contacts separately under Accessories.

Male connector

Unmounted with cable gland and locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



				with spring clamp conn.	with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²	Wire / mm²
				rigid 0.5 – 2.5 fine-stranded 0.5 – 1.5 stranded 0.75 – 1.5	rigid fine-stranded 0.75 – 6.0[2] stranded	fine-stranded 0.75 – 4.0
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	6 – 10	light gray black	96.032.0053.0 96.032.0053.1	96.032.4053.0 96.032.4053.1	96.132.0053.0 96.132.0053.1
		10 – 14	light gray black	96.032.0153.0 96.032.0153.1	96.032.4153.0 96.032.4153.1	96.132.0153.0 96.132.0153.1
	2, 1, ⏚	6 – 10 10 –14	leaf green	96.032.0055.7 96.032.0155.7	96.032.4055.7 96.032.4155.7	
	2, 1 3	6 – 10 10 –14	light blue	96.032.0053.9 96.032.0153.9	96.032.4053.9 96.032.4153.9	
~50/-120V	2, 1, ⏚	6 – 10 10 –14	signal- brown	96.032.0051.4 96.032.0151.4	96.032.4051.4 96.032.4151.4	
				Fine-stranded and stranded wires **only with** ferrules (see accessories)	Fine-stranded and stranded wires **without** ferrules	Contacts separately under Accessories.

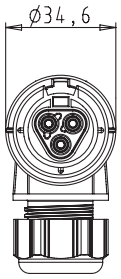
[1] With wire protection available on request
[2] With 6.0 mm² wires the pull and bending forces at the connector must be taken into consideration and compensated by suitable measures if required

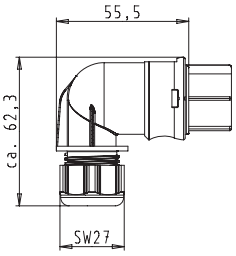
Connectors, angled 90°
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable gland.
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



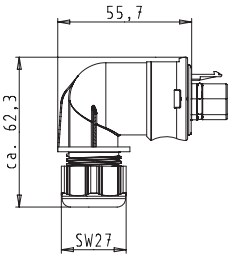


				with spring clamp conn.	with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²	Wire / mm²
				rigid: 0.5 – 2.5	rigid, fine-stranded, stranded: 0.75 – 6.0[2]	fine-stranded: 0.75 – 4.0
				fine-stranded: 0.5 – 1.5		
				stranded: 0.75 – 1.5		
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	6 – 10	light gray black	96.033.0053.0 96.033.0053.1	96.033.4053.0 96.033.4053.1	96.133.0053.0 96.133.0053.1
		10 – 14	light gray black	96.033.0153.0 96.033.0153.1	96.033.4153.0 96.033.4153.1	96.133.0153.0 96.133.0153.1
	1, 2, ⏚	6 – 10	leaf green	96.033.0055.7	96.033.4055.7	
		10 –14		96.033.0155.7	96.033.4155.7	
	1, 2, 3	6 – 10	light blue	96.033.0053.9	96.033.4053.9	
		10 –14		96.033.0153.9	96.033.4153.9	
~50/-120V	1, 2, ⏚	6 – 10	signal- brown	96.033.0051.4	96.033.4051.4	
		10 –14		96.033.0151.4	96.033.4151.4	
				Fine-stranded and stranded wires **only with** ferrules (see accessories)	Fine-stranded and stranded wires **without** ferrules	Contacts separately under Accessories.

Male connector

Unmounted with cable gland and locking device. 90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



				with spring clamp conn.	with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²	Wire / mm²
				rigid: 0.5 – 2.5	rigid, fine-stranded, stranded: 0.75 – 6.0[2]	fine-stranded: 0.75 – 4.0
				fine-stranded: 0.5 – 1.5		
				stranded: 0.75 – 1.5		
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	6 – 10	light gray black	96.034.0053.0 96.034.0053.1	96.034.4053.0 96.034.4053.1	96.134.0053.0 96.134.0053.1
		10 – 14	light gray black	96.034.0153.0 96.034.0153.1	96.034.4153.0 96.034.4153.1	96.134.0153.0 96.134.0153.1
	2, 1, ⏚	6 – 10	leaf green	96.034.0055.7	96.034.4055.7	
		10 –14		96.034.0155.7	96.034.4155.7	
	2, 1 3	6 – 10	light blue	96.034.0053.9	96.034.4053.9	
		10 –14		96.034.0153.9	96.034.4153.9	
~50/-120V	2, 1, ⏚	6 – 10	signal- brown	96.034.0051.4	96.034.4051.4	
		10 –14		96.034.0151.4	96.034.4151.4	
				Fine-stranded and stranded wires **only with** ferrules (see accessories)	Fine-stranded and stranded wires **without** ferrules	Contacts separately under Accessories.

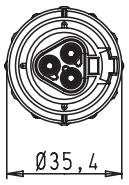
[1] With wire protection available on request
[2] With 6.0 mm² wires the pull and bending forces at the connector must be taken into consideration and compensated by suitable measures if required

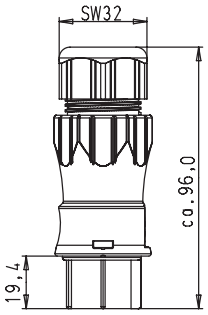
Connectors, straight
for cables Ø 13 – 18 mm

Female connector

Unmounted with cable gland.

See Technical Data for sheath and insulation strip lengths.





with screw connection[1]		
Wire	mm²	
rigid	0.75 – 6.0[2]	
fine-stranded		without ferrules
stranded		without ferrules

with crimp connection		
Wire	mm²	
fine-stranded	0.75 – 4.0	

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	L, N, ⏚	13 –18	light gray black	96.031.4553.0 96.031.4553.1	96.131.4553.0 96.131.4553.1
	1, 2, ⏚	13 –18	leaf green	96.031.4555.7	
	2, 1 3	13 –18	light blue	96.031.4553.9	

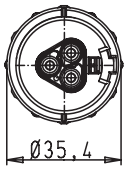
Fine-stranded and stranded wires **without** ferrules

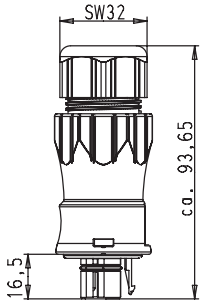
Contacts separately under Accessories.

Male connector

Unmounted with cable gland and locking device.

See Technical Data for sheath and insulation strip lengths.





with screw connection[1]		
Wire	mm²	
rigid	0.75 – 6.0[2]	
fine-stranded		without ferrules
stranded		without ferrules

with crimp connection		
Wire	mm²	
fine-stranded	0.75 – 4.0	

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	N, L, ⏚	13 –18	light gray black	96.032.4553.0 96.032.4553.1	96.132.4553.0 96.132.4553.1
	2, 1, ⏚	13 –18	leaf green	96.032.4555.7	
	2, 1 3	13 –18	light blue	96.032.4553.9	

Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

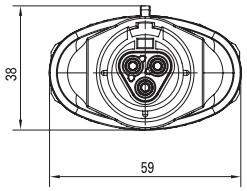
[1] With wire protection available on request
[2] With 6.0 mm² wires the pull and bending forces at the connector must be taken into consideration and compensated by suitable measures if required

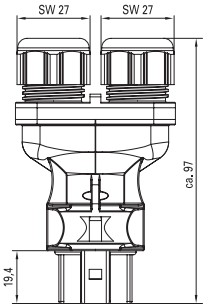
Splitter connector, straight
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





Application	Coding	Cable diameter in mm	Color	with spring clamp connection Part No.	with screw connection[1] Part No.
250/400V	L, N, ⏚	6 – 10	light gray	96.031.0253.0	96.031.4253.0
			black	96.031.0253.1	96.031.4253.1
		10 – 14	light gray	96.031.0353.0	96.031.4353.0
			black	96.031.0353.1	96.031.4353.1
	1, 2, ⏚	6 – 10	leaf green	96.031.0255.7	96.031.4255.7
		10 – 14		96.031.0355.7	96.031.4355.7
	1, 2, 3	10 – 14	light blue	96.031.0353.9	

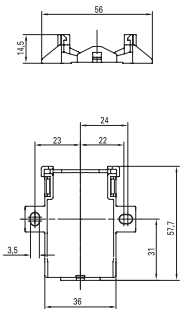
with spring clamp connection		
Leitungen	mm²	
rigid	0.5 – 2.5	
fine-stranded	0.5 – 1.5	with ferrules
stranded	0.75 – 1.5	with ferrules

with screw connection[1]		
Leitungen	mm²	
rigid	0.75 – 2.5	
fine-stranded		
stranded		

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

Mounting plate for splitter connectors



Color	Part No.
gray	01.006.1553.0
black	01.006.1553.1

[1] With wire protection available on request

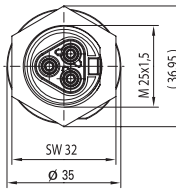
M25 device connector
straight, standard

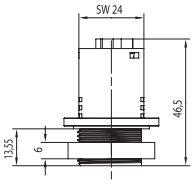
Female connector

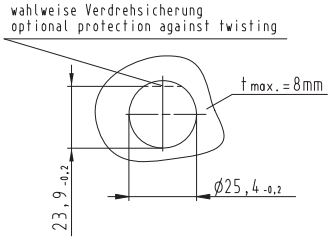
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.

For the spacer rings for unlocking the device connectors, see Accessories.







with spring clamp conn.	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M25 x 1.5
Gland	outside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	outside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	outside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	light gray black	96.031.1053.0 96.031.1053.1	96.031.5053.0 96.031.5053.1	96.131.1053.0 96.131.1053.1
	1, 2, ⏚	leaf green	96.031.1055.7	96.031.5055.7	96.131.1055.7
	1, 2, 3	light blue	96.031.1053.9	96.031.5053.9	
~50/-120V	1, 2, ⏚	signal brown	96.031.1051.4	96.031.5051.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

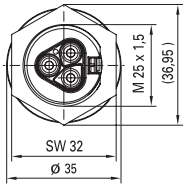
Fine-stranded and stranded wires **without** ferrules

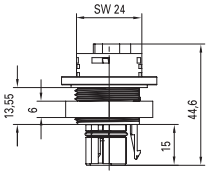
Contacts separately under Accessories.

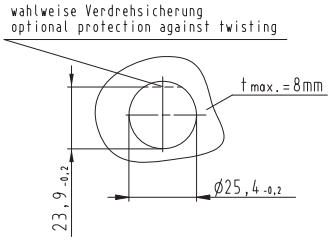
Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside. With locking device.

See the Technical Data for insulation strip lengths.







with spring clamp conn.	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M25 x 1.5
Gland	outside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	outside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	outside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	light gray black	96.032.1053.0 96.032.1053.1	96.032.5053.0 96.032.5053.1	96.132.1053.0 96.132.1053.1
	2, 1, ⏚	leaf green	96.032.1055.7	96.032.5055.7	96.132.1055.7
	2, 1, 3	light blue	96.032.1053.9	96.032.5053.9	
~50/-120V	2, 1, ⏚	signal brown	96.032.1051.4	96.032.5051.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

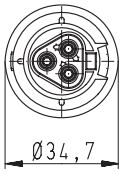
Contacts separately under Accessories.

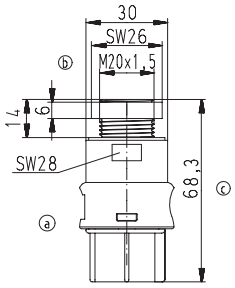
M20 device connector
straight, modular

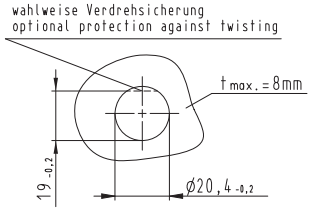
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M20 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	light gray black	96.031.2053.0 96.031.2053.1	96.031.6053.0 96.031.6053.1	96.131.2053.0 96.131.2053.1
	1, 2, ⏚	leaf green	96.031.2055.7	96.031.6055.7	
	1, 2, 3	light blue	96.031.2053.9	96.031.6053.9	
~50/-120V	1, 2, ⏚	signal brown	96.031.2051.4	96.031.6051.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

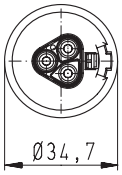
Fine-stranded and stranded wires **without** ferrules

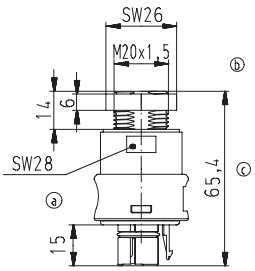
Contacts separately under Accessories.

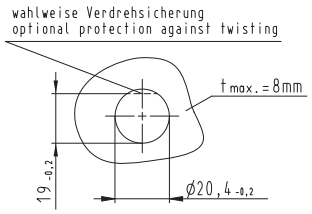
Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device.

See the Technical Data for insulation strip lengths.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M20 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	light gray black	96.032.2053.0 96.032.2053.1	96.032.6053.0 96.032.6053.1	96.132.2053.0 96.132.2053.1
	2, 1, ⏚	leaf green	96.032.2055.7	96.032.6055.7	
	2, 1, 3	light blue	96.032.2053.9	96.032.6053.9	
~50/-120V	2, 1, ⏚	signal brown	96.032.2051.4	96.032.6051.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

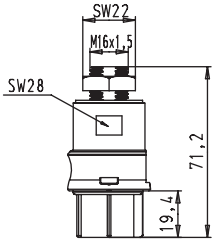
Contacts separately under Accessories.

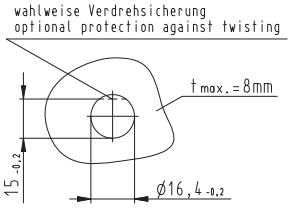
M16 device connector
straight, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





Application	Coding	Color	with spring clamp connection Part No.	with screw connection Part No.	with crimp connection Part No.
			Wire / mm²	Wire / mm²	Wire / mm2
			rigid 0.5 – 2.5	rigid	fine-stranded 0.75 – 4.0
			fine-stranded 0.5 – 1.5	fine-stranded 0.75 – 6.0	Term. poles 1
			stranded 0.75 – 1.5	stranded	Thread M16 x 1.5
			Term. poles 2	Term. poles 1	Gland inside
			Thread M16 x 1.5	Thread M16 x 1.5	
			Gland inside	Gland inside	
250/400V	L, N, ⏚	light gray black	96.031.2153.0 96.031.2153.1	96.031.6153.0 96.031.6153.1	96.131.2153.0 96.131.2153.1
250/400V	1, 2, ⏚	leaf green	96.031.2155.7	96.031.6155.7	
250/400V	1, 2, 3	light blue	96.031.2153.9	96.031.6153.9	
~50/-120V	1, 2, ⏚	signal brown	96.031.2151.4	96.031.6151.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

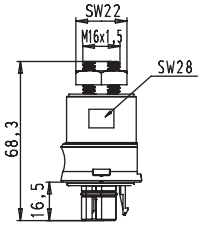
Fine-stranded and stranded wires **without** ferrules

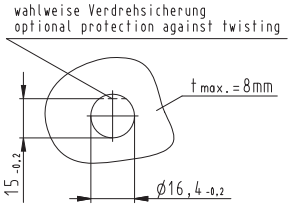
Contacts separately under Accessories.

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.

See the Technical Data for insulation strip lengths.





Application	Coding	Color	with spring clamp connection Part No.	with screw connection Part No.	with crimp connection Part No.
			Wire / mm²	Wire / mm²	Wire / mm²
			rigid 0.5 – 2.5	rigid	fine-stranded 0.75 – 4.0
			fine-stranded 0.5 – 1.5	fine-stranded 0.75 – 6.0	Term. poles 1
			stranded 0.75 – 1.5	stranded	Thread M16 x 1.5
			Term. poles 2	Term. poles 1	Gland inside
			Thread M16 x 1.5	Thread M16 x 1.5	
			Gland inside	Gland inside	
250/400V	N, L, ⏚	light gray black	96.032.2153.0 96.032.2153.1	96.032.6153.0 96.032.6153.1	96.132.2153.0 96.132.2153.1
250/400V	2, 1, ⏚	leaf green	96.032.2155.7	96.032.6155.7	
250/400V	2, 1, 3	light blue	96.032.2153.9	96.032.6153.9	
~50/-120V	2, 1, ⏚	signal brown	96.032.2151.4	96.032.6151.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

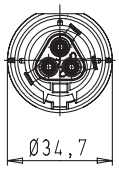
Contacts separately under Accessories.

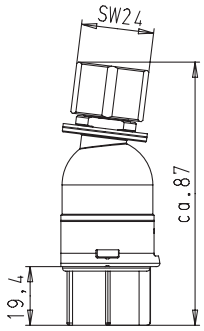
M16 device connector
angled 7°, modular

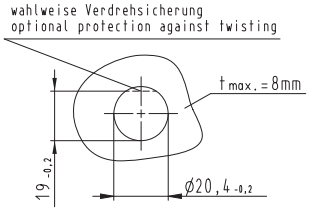
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 7°, thread M16.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M16 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M16 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	light gray black	96.035.2153.0 96.035.2153.1	96.035.6153.0 96.035.6153.1	96.135.2153.0 96.135.2153.1
	1, 2, ⏚	leaf green	96.035.2155.7	96.035.6155.7	
	1, 2, 3	light blue	96.035.2153.9	96.035.6153.9	
~50/-120V	1, 2, ⏚	signal brown	96.035.2151.4	96.035.6151.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

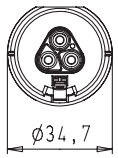
Fine-stranded and stranded wires **without** ferrules

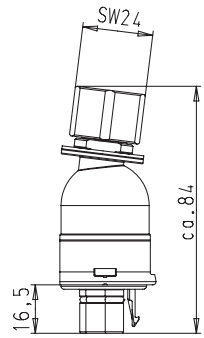
Contacts separately under Accessories.

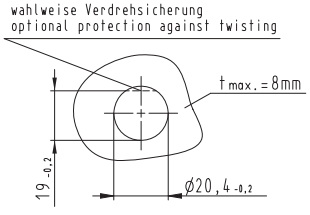
Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.
Angled 7°, thread M16.

See the Technical Data for insulation strip lengths.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M16 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M16 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	light gray black	96.036.2153.0 96.036.2153.1	96.036.6153.0 96.036.6153.1	96.136.2153.0 96.136.2153.1
	2, 1, ⏚	leaf green	96.036.2155.7	96.036.6155.7	
	2, 1, 3	light blue	96.036.2153.9	96.036.6153.9	
~50/-120V	2, 1, ⏚	signal brown	96.036.2151.4	96.036.6151.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

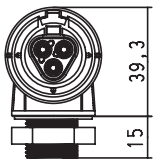
Contacts separately under Accessories.

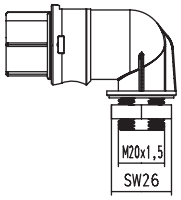
M20 device connector
angled 90°, modular

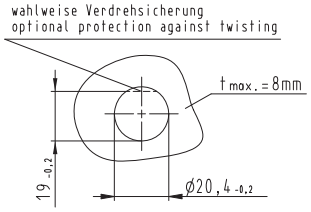
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M20 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid fine-stranded stranded	0.75 – 6.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	light gray black	96.033.2053.0 96.033.2053.1	96.033.6053.0 96.033.6053.1	96.133.2053.0 96.133.2053.1
	1, 2, ⏚	leaf green	96.033.2055.7	96.033.6055.7	
	1, 2, 3	light blue	96.033.2053.9	96.033.6053.9	
~50/-120V	1, 2, ⏚	signal brown	96.033.2051.4	96.033.6051.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

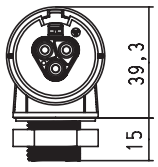
Fine-stranded and stranded wires **without** ferrules

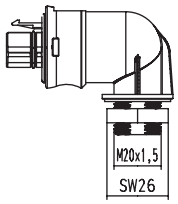
Contacts separately under Accessories.

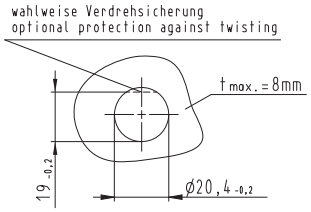
Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.

See the Technical Data for insulation strip lengths.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M20 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid fine-stranded stranded	0.75 – 6.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	light gray black	96.034.2053.0 96.034.2053.1	96.034.6053.0 96.034.6053.1	96.134.2053.0 96.134.2053.1
	2, 1, ⏚	leaf green	96.034.2055.7	96.034.6055.7	
	2, 1, 3	light blue	96.034.2053.9	96.034.6053.9	
~50/-120V	2, 1, ⏚	signal brown	96.034.2051.4	96.034.6051.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

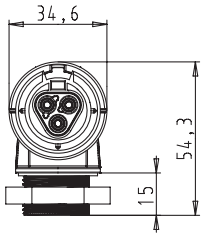
Contacts separately under Accessories.

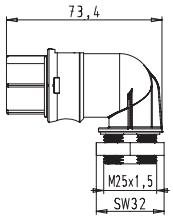
M25 device connector
angled 90°, modular

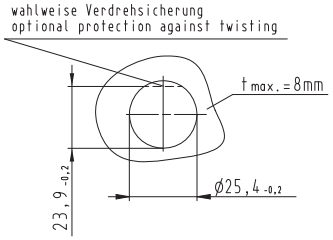
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M25 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	L, N, ⏚	light gray black	96.033.2253.0 96.033.2253.1	96.033.6253.0 96.033.6253.1	96.133.2253.0 96.133.2253.1
	1, 2, ⏚	leaf green	96.033.2255.7	96.033.6255.7	
	1, 2, 3	light blue	96.033.2253.9	96.033.6253.9	
~50/-120V	1, 2, ⏚	signal brown	96.033.2251.4	96.033.6251.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

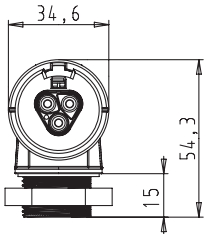
Fine-stranded and stranded wires **without** ferrules

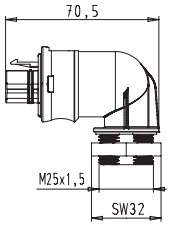
Contacts separately under Accessories.

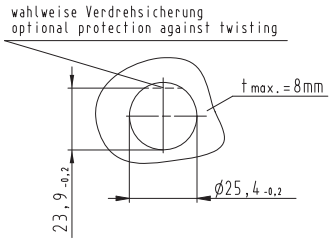
Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.

See the Technical Data for insulation strip lengths.







with spring clamp connection	
Wire	mm²
rigid	0.5 – 2.5
fine-stranded	0.5 – 1.5
stranded	0.75 – 1.5
Term. poles	2
Thread	M25 x 1.5
Gland	inside

with screw connection	
Wire	mm²
rigid	0.75 – 6.0
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.	Part No.
250/400V	N, L, ⏚	light gray black	96.034.2253.0 96.034.2253.1	96.034.6253.0 96.034.6253.1	96.134.2253.0 96.134.2253.1
	2, 1, ⏚	leaf green	96.034.2255.7	96.034.6255.7	
	2, 1, 3	light blue	96.034.2253.9	96.034.6253.9	
~50/-120V	2, 1, ⏚	signal brown	96.034.2251.4	96.034.6251.4	

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

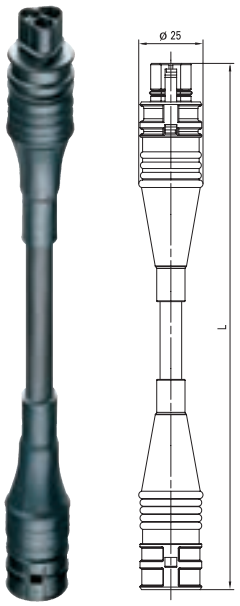
Contacts separately under Accessories.

Cable assemblies
Cable 3 x 1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	shrinkage tube
Interlock	integrated
Color cable	black
Color shrinkage tube	black

Connection cables female – male



250V black (⏚ = GN/YE, N = BU, L = BN)

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.232.1000.1
	2	96.232.2000.1
	3	96.232.3000.1
	4	96.232.4000.1
	5	96.232.5000.1
	6	96.232.6000.1
	7	96.232.7000.1
	8	96.232.8000.1

250/400V leaf green (⏚ = GN/YE, 1 = BU, 2 = BN)

Part No.
96.232.1001.7
96.232.2001.7
96.232.3001.7
96.232.4001.7
96.232.5001.7
96.232.6001.7
96.232.7001.7
96.232.8001.7

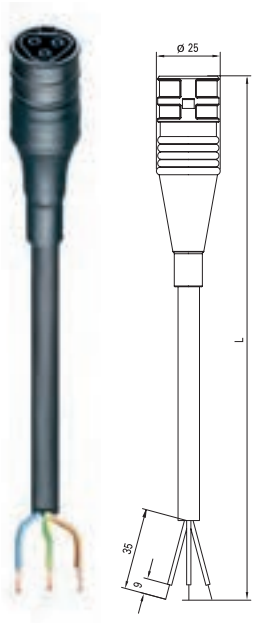
250/400V light blue (3 = BN, 2 = BU, 1 = BK)

Part No.
96.232.1010.9
96.232.2010.9
96.232.3010.9
96.232.4010.9
96.232.5010.9
96.232.6010.9
96.232.7010.9
96.232.8010.9

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.232.1030.1	96.232.1031.7
	2	96.232.2030.1	96.232.2031.7
	3	96.232.3030.1	96.232.3031.7
	4	96.232.4030.1	96.232.4031.7
	5	96.232.5030.1	96.232.5031.7
	6	96.232.6030.1	96.232.6031.7
	7	96.232.7030.1	96.232.7031.7
	8	96.232.8030.1	96.232.8031.7

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.232.1050.1
	2	96.232.2050.1
	3	96.232.3050.1
	4	96.232.4050.1
	5	96.232.5050.1
	6	96.232.6050.1
	7	96.232.7050.1
	8	96.232.8050.1

Connection cables female – free end



250 V black (⏚ = GN/YE, N = BU, L = BN)

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.232.1003.1
	2	96.232.2003.1
	3	96.232.3003.1
	4	96.232.4003.1
	5	96.232.5003.1
	6	96.232.6003.1
	7	96.232.7003.1
	8	96.232.8003.1

250/400V leaf green (⏚ = GN/YE, 1 = BU, 2 = BN)

Part No.
96.232.1005.7
96.232.2005.7
96.232.3005.7
96.232.4005.7
96.232.5005.7
96.232.6005.7
96.232.7005.7
96.232.8005.7

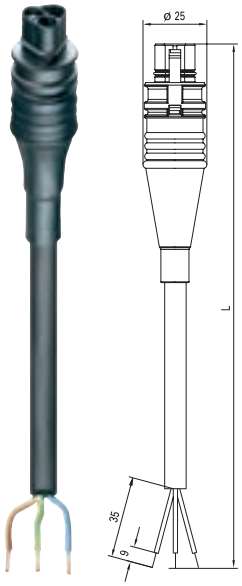
250/400V light blue (3 = BN, 2 = BU, 1 = BK)

Cable	Length m	Part No.	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.232.1033.1	96.232.1035.7	on request
	2	96.232.2033.1	96.232.2035.7	
	3	96.232.3033.1	96.232.3035.7	
	4	96.232.4033.1	96.232.4035.7	
	5	96.232.5033.1	96.232.5035.7	
	6	96.232.6033.1	96.232.6035.7	
	7	96.232.7033.1	96.232.7035.7	
	8	96.232.8033.1	96.232.8035.7	

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.232.1053.1
	2	96.232.2053.1
	3	96.232.3053.1
	4	96.232.4053.1
	5	96.232.5053.1
	6	96.232.6053.1
	7	96.232.7053.1
	8	96.232.8053.1

Cable assemblies
Cable 3 x 1.5 mm²; 16 A

Connection cables male – free end



Cable	Length m	250V black Part No.	250/400V leaf green Part No.	250/400V light blue Part No.
PVC cable H05VV-F containing halogen	1	96.232.1004.1	96.232.1006.7	
	2	96.232.2004.1	96.232.2006.7	
	3	96.232.3004.1	96.232.3006.7	
	4	96.232.4004.1	96.232.4006.7	
	5	96.232.5004.1	96.232.5006.7	
	6	96.232.6004.1	96.232.6006.7	
	7	96.232.7004.1	96.232.7006.7	
	8	96.232.8004.1	96.232.8006.7	

Cable	Length m	Part No.	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.232.1034.1	96.232.1036.7	on request
	2	96.232.2034.1	96.232.2036.7	
	3	96.232.3034.1	96.232.3036.7	
	4	96.232.4034.1	96.232.4036.7	
	5	96.232.5034.1	96.232.5036.7	
	6	96.232.6034.1	96.232.6036.7	
	7	96.232.7034.1	96.232.7036.7	
	8	96.232.8034.1	96.232.8036.7	

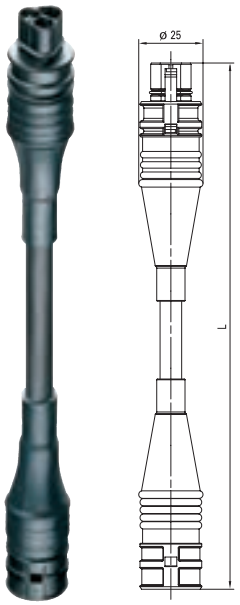
Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.232.1054.1
	2	96.232.2054.1
	3	96.232.3054.1
	4	96.232.4054.1
	5	96.232.5054.1
	6	96.232.6054.1
	7	96.232.7054.1
	8	96.232.8054.1

Cable assemblies
Cable 3 x 2.5 mm²; 20 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	shrinkage tube
Interlock	integrated
Color cable	black
Color shrinkage tube	black

Connection cables female – male



250V black ⏚ = GN/YE, N = BU, L = BN

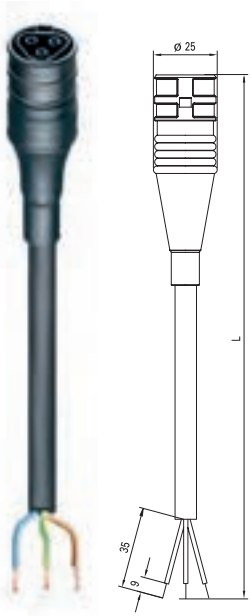
250/400V leaf green ⏚ = GN/YE, 1 = BU, 2 = BN

Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.233.1000.1	96.233.1001.7
	2	96.233.2000.1	96.233.2001.7
	3	96.233.3000.1	96.233.3001.7
	4	96.233.4000.1	96.233.4001.7
	5	96.233.5000.1	96.233.5001.7
	6	96.233.6000.1	96.233.6001.7
	7	96.233.7000.1	96.233.7001.7
	8	96.233.8000.1	96.233.8001.7

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.233.1030.1	96.233.1031.7
	2	96.233.2030.1	96.233.2031.7
	3	96.233.3030.1	96.233.3031.7
	4	96.233.4030.1	96.233.4031.7
	5	96.233.5030.1	96.233.5031.7
	6	96.233.6030.1	96.233.6031.7
	7	96.233.7030.1	96.233.7031.7
	8	96.233.8030.1	96.233.8031.7

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.233.1050.1
	2	96.233.2050.1
	3	96.233.3050.1
	4	96.233.4050.1
	5	96.233.5050.1
	6	96.233.6050.1
	7	96.233.7050.1
	8	96.233.8050.1

Connection cables female – free end



250V black ⏚ = GN/YE, N = BU, L = BN

250/400V leaf green ⏚ = GN/YE, 1 = BU, 2 = BN

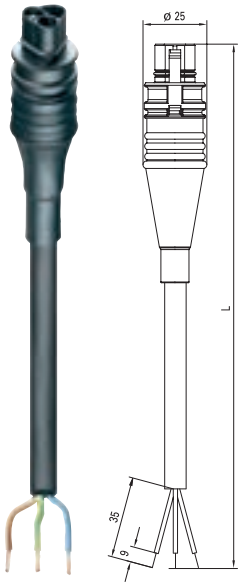
Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.233.1003.1	96.233.1005.7
	2	96.233.2003.1	96.233.2005.7
	3	96.233.3003.1	96.233.3005.7
	4	96.233.4003.1	96.233.4005.7
	5	96.233.5003.1	96.233.5005.7
	6	96.233.6003.1	96.233.6005.7
	7	96.233.7003.1	96.233.7005.7
	8	96.233.8003.1	96.233.8005.7

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.233.1033.1	96.233.1035.7
	2	96.233.2033.1	96.233.2035.7
	3	96.233.3033.1	96.233.3035.7
	4	96.233.4033.1	96.233.4035.7
	5	96.233.5033.1	96.233.5035.7
	6	96.233.6033.1	96.233.6035.7
	7	96.233.7033.1	96.233.7035.7
	8	96.233.8033.1	96.233.8035.7

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.233.1053.1
	2	96.233.2053.1
	3	96.233.3053.1
	4	96.233.4053.1
	5	96.233.5053.1
	6	96.233.6053.1
	7	96.233.7053.1
	8	96.233.8053.1

Cable assemblies
Cable 3 x 2.5 mm²; 20 A

Connection cables male – free end



250V black

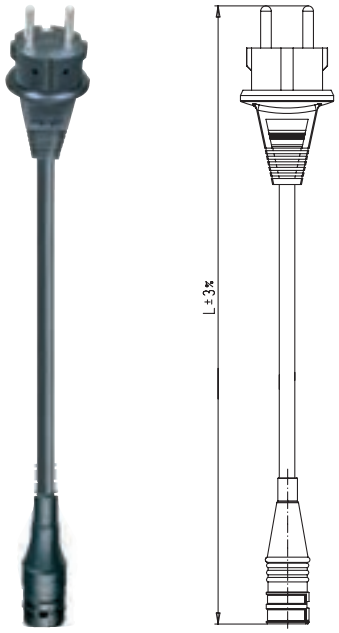
250/400V leaf green

Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.233.1004.1	96.233.1006.7
	2	96.233.2004.1	96.233.2006.7
	3	96.233.3004.1	96.233.3006.7
	4	96.233.4004.1	96.233.4006.7
	5	96.233.5004.1	96.233.5006.7
	6	96.233.6004.1	96.233.6006.7
	7	96.233.7004.1	96.233.7006.7
	8	96.233.8004.1	96.233.8006.7

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.233.1034.1	96.233.1036.7
	2	96.233.2034.1	96.233.2036.7
	3	96.233.3034.1	96.233.3036.7
	4	96.233.4034.1	96.233.4036.7
	5	96.233.5034.1	96.233.5036.7
	6	96.233.6034.1	96.233.6036.7
	7	96.233.7034.1	96.233.7036.7
	8	96.233.8034.1	96.233.8036.7

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.233.1054.1
	2	96.233.2054.1
	3	96.233.3054.1
	4	96.233.4054.1
	5	96.233.5054.1
	6	96.233.6054.1
	7	96.233.7054.1
	8	96.233.8054.1

Power Connection cable
Male: european standard (SKII) – female: ***RST***®



250V gray

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.5	99.714.0000.7
	2.5	99.715.0000.7

250V black

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.5	99.712.0000.7
	2.5	99.713.0000.7
	4	99.716.0000.7
	5	99.718.0000.7
	8	99.717.0000.7

Cable assemblies
Cable 3 x 2.5 mm²; 20 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	shrinkage tube
Interlock	integrated
Color cable	black
Color shrinkage tube	black

Power Connection cable
RST 20i3 male – Schuko coupling

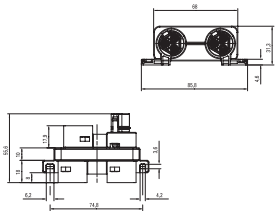
250V
black

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	0.5	99.719.0000.7
	1	
	2	Other lengths
	3	on request
	4	
	5	

Distribution units

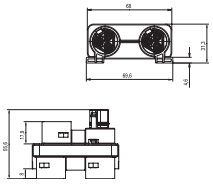
Distribution block 1I/3O

Interlock Yes



with fastening option

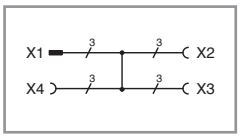
Color	Application	Pole marking	Input	Outputs	Part No.
■ black	250V	L, N, PE	1	3	96.030.0153.1
■ light grey	250V	L, N, PE	1	3	96.030.0153.0
■ leaf green	250/400V	1, 2, PE	1	3	96.030.0155.7
■ signal brown	~50/-120V	1, 2, PE	1	3	96.030.0151.4



without fastening option

Color	Application	Pole marking	Input	Outputs	Part No.
■ black	250V	L, N, PE	1	3	96.030.0253.1
■ light grey	250V	L, N, PE	1	3	96.030.0253.0
■ leaf green	250/400V	1, 2, PE	1	3	96.030.0255.7
■ signal brown	~50/-120V	1, 2, PE	1	3	96.030.0251.4

Circuit diagram



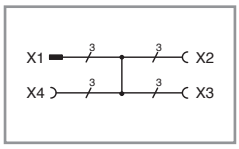
RST compact distribution unit 1I/3O

Dimensions 104 x 162 x 57.2 mm

fitted as required with M25 device connectors 3-pole
pre-wired with 2.5 mm² (halogen free)
Mounting option Yes

Color	Application	Pole marking	Input	Outputs	Part No.
■ black			1, RST20i3	3, RST20i3	99.906.0000.7

Circuit diagram



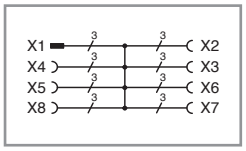
RST multi-distribution unit 1I/7O

Dimensions 104 x 162 x 96 mm

fitted as required with M25 device connectors 3-pole
pre-wired with 2.5 mm² (halogen free)
Fuse 6.3 or 10A can be integrated

Color	Application	Pole marking	Input	Outputs	Part No.
■ black			1, RST20i3	7, RST20i3	99.929.0000.7

Circuit diagram



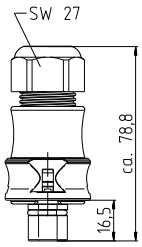
Detailed information about the distribution units available in section "Distribution units".

Connector for pole plucket, straight
For cables Ø 6 - 10 mm

Male connector

Unmounted with screwed cable gland.
Without locking slide Safety Clip.

Sheath stripping and insulation removal lengths refer to Technical data.



with screw connection

Cables	mm²	Ferrule
Rigid	0.5 – 2.5	
Fine stranded	0.5 – 1.5	with ferrule
Multi-stranded	0.75 – 1.5	with ferrule

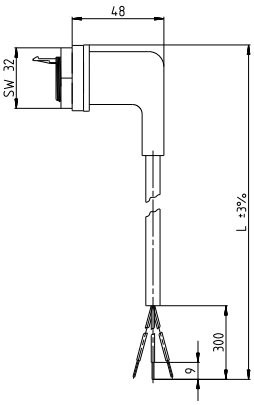
Application	Coding	Ø cable mm	Color	Part No.
250V	L, N, ⏚	6 – 10	black	99.594.0000.7

Cable assembly for pole socket
Cable 3 x 1.5 mm²; 16 A

Rated values	
Wire ends	ultrason. welded
Sheath strip length	30 mm
Wire strip length	9 mm

Pull relief	shrinkage tube
Interlock	Integrated
Color cable	black
Color shrinkage tube	black

Connection cables female - free end



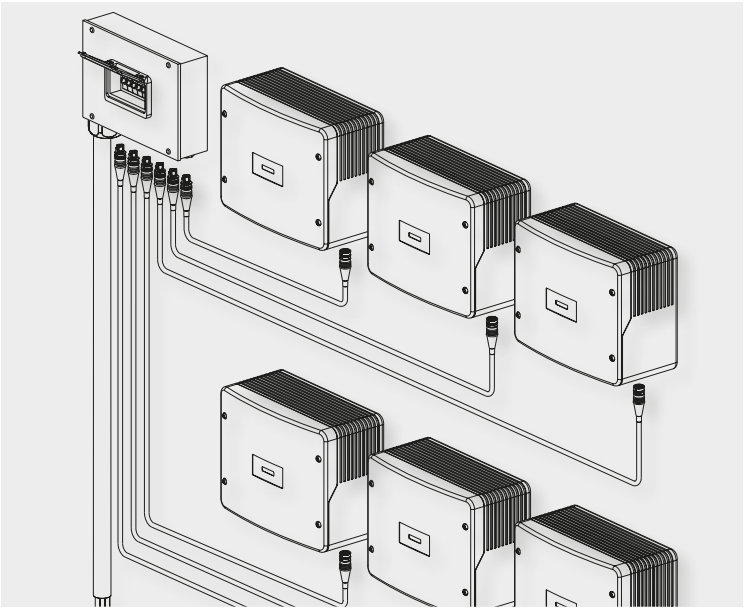
250V
black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	99.513.0000.7
	2	99.514.0000.7
	3	99.515.0000.7
	4	99.516.0000.7
	5	99.517.0000.7
	6	99.518.0000.7
	8	99.535.0000.7
	9	99.533.0000.7


wieland
wieland

Solar applications for systems up to 32 A for single-phase power 3-pole

Application example



General

The system is specially adapted to the requirements of solar technology. The connectors can be loaded with a maximum of 32 A on two contacts (L, N) and are used for single-phase power with ENS.
Special distribution boxes are used to bundle the electrical power of up to 6 inverters and thus complete the system.
These connectors have their own mechanical coding.
This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

Features:

- Fast mounting through easy handling
- UV-resistant
- Rated current up to 32A (with 6.0 mm²)
- Cross-sections up to 6 mm²
- Degree of protection IP66/68 (3m; 2h) /69

AC SOLAR SYSTEM CONNECTOR

Coding

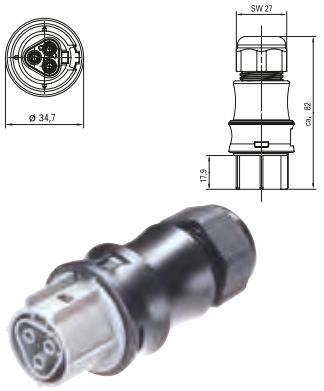
For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

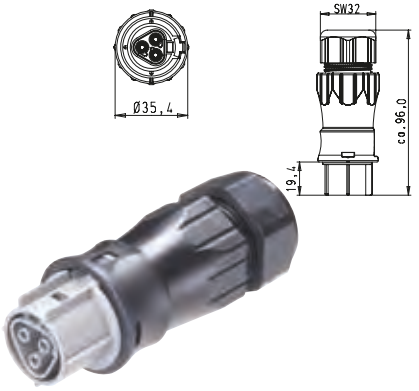
Application	250V
Mechanical coding	L, N, ⏚

Name	Description	Connection style	Strain relief housing	Connection points per pole	concrete gray
Connector	1 x cable entry	Screw	yes	1	✓
Distribution unit	Distribution box RST RAN Solar				✓
	Distribution box RST Solar				✓
Device connectors	M25 device connector, standard				✓
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled	✓
	Connection cable Female – Free end	pre-assembled	pre-assembled	pre-assembled	✓
	Extension cable Male – Female	pre-assembled	pre-assembled	pre-assembled	✓

Connectors, 25A, straight
for cables Ø 10 – 14 mm and 13 – 18 mm (up to 32A with 6.0 mm²)

Female connector

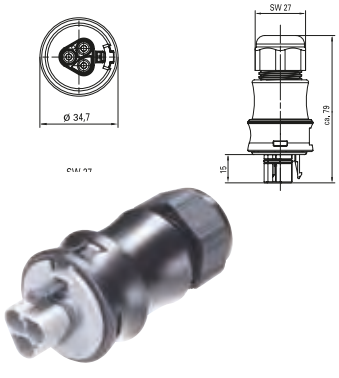


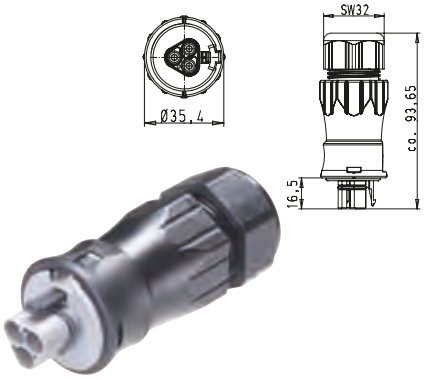


	with screw connection for cables Ø 10 –14 mm			with screw connection for cables Ø 13 –18 mm		
Wire	mm²		Wire	mm²	
solid	up to 6.0[2]		solid	up to 6.0[2]	
fine-stranded		without ferrules	fine-stranded		without ferrules

Application	Coding	Color	Part No.	Part No.
250V	L, N, ⏚	concrete gray	96.031.4154.3	96.031.4554.3

Male connector





	with screw connection for cables Ø 10 –14 mm			with screw connection for cables Ø 13 –18 mm		
Wire	mm²		Wire	mm²	
solid	up to 6.0[1]		solid	up to 6.0[1]	
fine-stranded		without ferrules	fine-stranded		without ferrules
Locking device	yes		Locking device	yes	

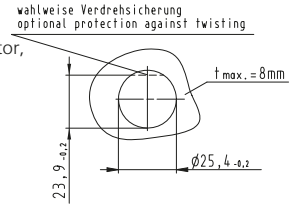
Application	Coding	Color	Part No.	Part No.
250V	L, N, ⏚	concrete gray	96.032.4154.3	96.032.4554.3

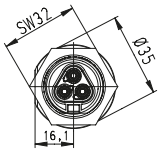
[1] With 6.0 mm² wires the pull and bending forces at the connector must be taken into consideration and compensated by suitable measures if required

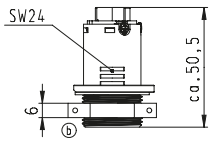
M25 device connector, 25 A
straight (up to 32A with 6.0 mm²)

Female connector
With sealing option

For spacer rings for unlocking the device connector, see Accessories.

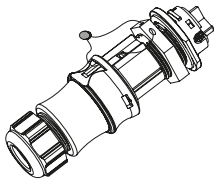






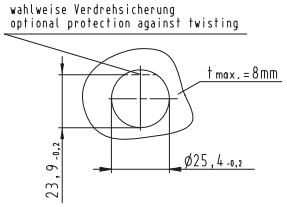
with screw connection

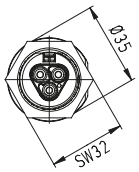
Wire	mm²	
solid	up to 6.0	
fine-stranded		without ferrules
Locking device	yes	

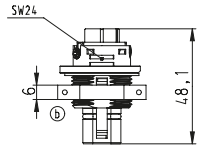


Application	Coding	Color	Part No.
250V	 L, N, ⏚	concrete gray	96.031.5054.3

Male connector
With sealing option

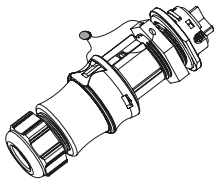






with screw connection

Wire	mm²	
solid	up to 6.0	
fine-stranded		without ferrules
Locking device	yes	



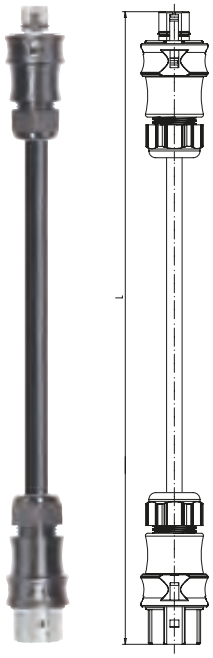
Application	Coding	Color	Part No.
250V	 L, N, ⏚	concrete gray	96.032.5054.3

Cable assemblies
Cable 3 x 4.0 mm²; 25 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Connection type of cable	Gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male

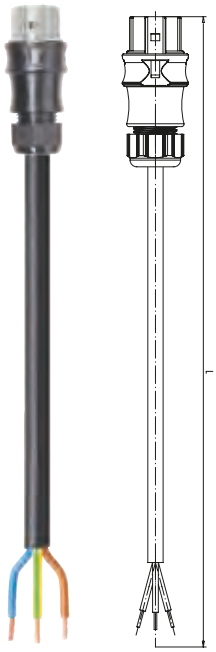


250V
concrete gray

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.0	96.834.1000.3
	1.5	96.834.1500.3
	2.0	96.834.2000.3
	2.5	96.834.2500.3
	3.0	96.834.3000.3
	3.5	96.834.3500.3
	4.0	96.834.4000.3

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.0	96.834.1030.3
	1.5	96.834.1530.3
	2.0	96.834.2030.3
	2.5	96.834.2530.3
	3.0	96.834.3030.3
	3.5	96.834.3530.3
	4.0	96.834.4030.3

Connection cables female – free end



250V
concrete gray

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.0	96.834.1003.3
	1.5	96.834.1503.3
	2.0	96.834.2003.3
	2.5	96.834.2503.3
	3.0	96.834.3003.3
	3.5	96.834.3503.3
	4.0	96.834.4003.3

Cable diameter 11.2 mm ± 0.2
According to VDE 0281/T5 and VDE 0288/T4

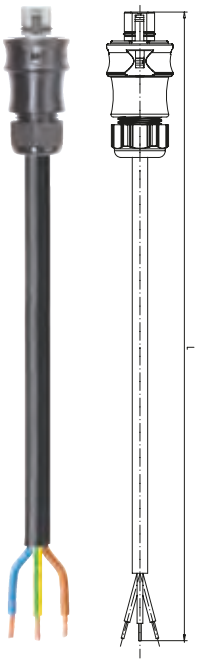
Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.0	96.834.1033.3
	1.5	96.834.1533.3
	2.0	96.834.2033.3
	2.5	96.834.2533.3
	3.0	96.834.3033.3
	3.5	96.834.3533.3
	4.0	96.834.4033.3

Cable diameter 13.4 mm ± 0.3
According to VDE 0281/T5 and VDE 0288/T4

Observe installation instructions following the product pages.

Cable assemblies
Cable 3 x 4.0 mm²; 25 A

Connection cables male – free end



250V
concrete gray

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.0	96.834.1004.3
	1.5	96.834.1504.3
	2.0	96.834.2004.3
	2.5	96.834.2504.3
	3.0	96.834.3004.3
	3.5	96.834.3504.3
	4.0	96.834.4004.3

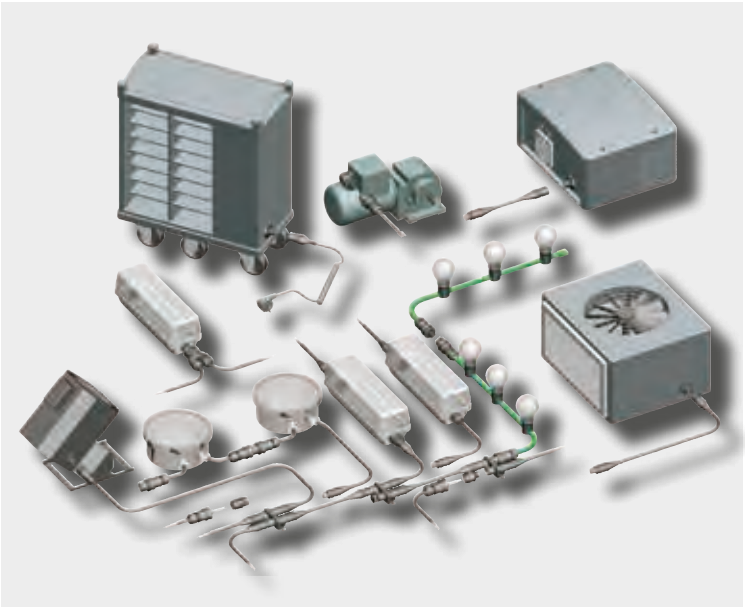
Cable diameter 11.2 mm ± 0.2
According to VDE 0281/T5 and VDE 0288/T4

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.0	96.834.1034.3
	1.5	96.834.1534.3
	2.0	96.834.2034.3
	2.5	96.834.2534.3
	3.0	96.834.3034.3
	3.5	96.834.3534.3
	4.0	96.834.4034.3

Cable diameter 13.4 mm ± 0.3
According to VDE 0281/T5 and VDE 0288/T4

2 versions for connecting electrical drives or for routing AS-i and extra-low voltages up to ~50/-120V

Application example



General

The four pole connector is based on the 5-pole variation with one pole not configured.

There are two mechanical codings. The black or light grey coding for applications up to 250/400V (e.g. connection of electrical drives) and the brown coding for extra-low voltages, for example for joint routing of the AS Interface and the 24V auxiliary voltage.

They are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

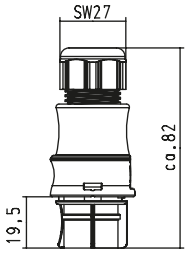
				Application	250/400V		~50/-120V
				Mechanical coding	1, 2, 3, ⏚		1, 2, 3, 4
Name	**Description**	**Connection style**	**Strain relief housing**	**Connection points per pole**	light gray	black	signal brown
Connector	1 x cable entry	Screw Crimp	yes	1	✓	✓	✓
	2 x cable entry	Screw	yes	1	✓	✓	✓
Distribution units	RST compact distribution unit/ multi-distribution unit				on request	on request	on request
	Individual distribution box				on request	on request	on request
Device connectors	M16 device connector, modular, straight				✓	✓	✓
	M16 device connector, modular, angled 7°				✓	✓	✓
	M25 device connector, standard				✓	✓	✓
	M20 device connector, standard				✓	✓	✓
	M20 device connector, modular, straight				✓	✓	✓
	M25 device connector, modular, angled				✓	✓	✓
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓
	Connection cable Female – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓
	Extension cable Male – Female	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓

Connectors, straight
for cables Ø 6 – 10 mm and 10 –14 mm

Female connector

Unmounted with cable gland.
Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.



				with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²
				rigid / fine-stranded / stranded: 0.75 – 4.0 without ferrules	fine-stranded: 0.75 – 4.0
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	6 – 10	light gray	96.041.4053.0	96.141.0053.0
			black	96.041.4053.1	96.141.0053.1
		10 – 14	light gray	96.041.4153.0	96.141.0153.0
			black	96.041.4153.1	96.141.0153.1
~50/-120V	1, 2, 3, 4	6 – 10 1 x AS-i profile cable	signal brown	96.041.4051.4 96.041.4951.4	

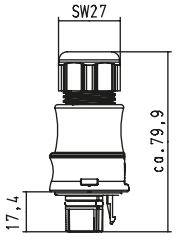
Contacts separately under Accessories, see following pages.

Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.



				with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²
				rigid / fine-stranded / stranded: 0.75 – 4.0 without ferrules	fine-stranded: 0.75 – 4.0
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	6 – 10	light gray	96.042.4053.0	96.142.0053.0
			black	96.042.4053.1	96.142.0053.1
		10 – 14	light gray	96.042.4153.0	96.142.0153.0
			black	96.042.4153.1	96.142.0153.1
~50/-120V	1, 2, 3, 4	6 – 10 1 x AS-i profile cable	signal brown	96.042.4051.4 96.042.4951.4	

Contacts separately under Accessories, see following pages.

[1] With wire protection available on request

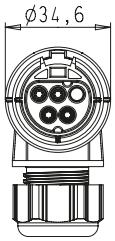
Connectors, angled 90°
for cables Ø 6 – 10 mm and 10 –14 mm

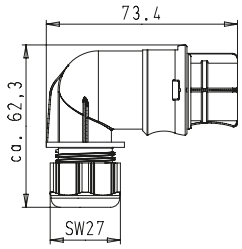
Female connector

Unmounted with cable gland.
90° angle.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.





				with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²
				rigid / fine-stranded / stranded: 0.75 – 4.0 without ferrules	fine-stranded: 0.75 – 4.0
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	6 – 10	light gray	96.043.4053.0	96.143.0053.0
			black	96.043.4053.1	96.143.0053.1
		10 – 14	light gray	96.043.4153.0	96.143.0153.0
			black	96.043.4153.1	96.143.0153.1
~50/-120V	1, 2, 3, 4	6 – 10	signal brown	96.043.4051.4	
		1 x AS-i profile cable		96.043.4951.4	
		2 x AS-i profile cable		96.043.4851.4	

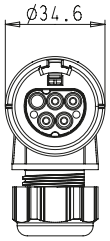
Contacts separately under Accessories, see following pages.

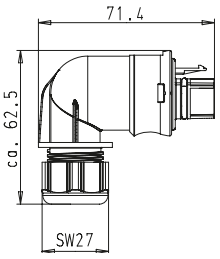
Male connector

Unmounted with cable gland and locking device.
90° angle.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.





				with screw connection[1]	with crimp connection
				Wire / mm²	Wire / mm²
				rigid / fine-stranded / stranded: 0.75 – 4.0 without ferrules	fine-stranded: 0.75 – 4.0
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	6 – 10	light gray	96.044.4053.0	96.144.0053.0
			black	96.044.4053.1	96.144.0053.1
		10 – 14	light gray	96.044.4153.0	96.144.0153.0
			black	96.044.4153.1	96.144.0153.1
~50/-120V	1, 2, 3, 4	6 – 10	signal brown	96.044.4051.4	
		1 x AS-i profile cable		96.044.4951.4	
		2 x AS-i profile cable		96.044.4851.4	

Contacts separately under Accessories, see following pages.

[1] With wire protection available on request

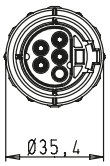
Connectors, straight
for cables Ø 13 – 18 mm

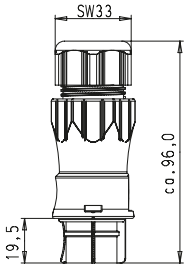
Female connector

Unmounted with cable gland.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.





	with screw connection[1)]		with crimp connection	
	Wire	mm²	Wire	mm²
	rigid	up to 4.0 without ferrules	fine-stranded	0.75 – 4.0
	fine-stranded			
	stranded			

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	13 – 18	light gray	96.041.4553.0	96.141.0553.0
			black	96.041.4553.1	96.141.0553.1

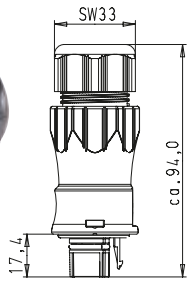
Contacts separately under Accessories, see following pages.

Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.



	with screw connection[1)]		with crimp connection	
	Wire	mm2	Wire	mm²
	rigid	0.75 – 4.0 without ferrules	fine-stranded	0.75 – 4.0
	fine-stranded			
	stranded			

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	13 – 18	light gray	96.042.4553.0	96.142.0553.0
			black	96.042.4553.1	96.142.0553.1

Contacts separately under Accessories, see following pages.

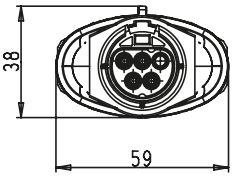
[1)] With wire protection available on request

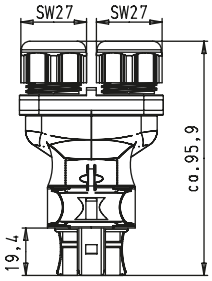
Splitter connector, straight
for cables Ø 6 – 10 mm and 10 –14 mm

Female connector

Unmounted with cable glands.

See Technical Data for sheath and insulation strip lengths.



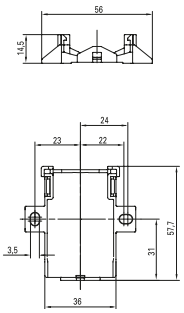


with screw connection[1)]

Wire	mm²
rigid	
fine-stranded	0.75 – 1.5
stranded	without ferrules

Application	Coding	Cable diameter in mm	Color	Part No.
250/400V	1, 2, 3, ⏚	6 – 10	light gray	96.041.4253.0
			black	96.041.4253.1
		10 – 14	light gray	96.041.4353.0
			black	96.041.4353.1

Mounting plate for splitter connectors



Color	Part No.
gray	01.006.1553.0
black	01.006.1553.1

[1)] With wire protection available on request

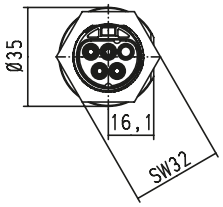
M25 device connector
straight, standard

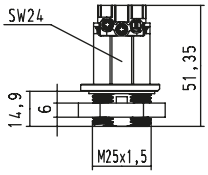
Female connector

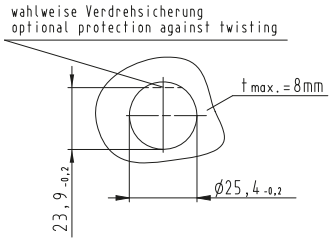
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths. For spacer rings for unlocking the device connector, see Accessories.







with screw connection	
Wire	mm²
rigid fine-stranded stranded	0.75 – 4.0 without ferrules
Term. poles	1
Thread	M25 x 1.5
Gland	outside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	outside

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.041.5053.0 96.041.5053.1	96.141.1053.0 96.141.1053.1
~50/-120V	1, 2, 3, 4	signal brown	96.041.5051.4	

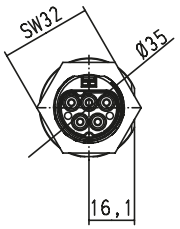
Contacts separately under Accessories, see following pages.

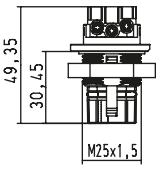
Male connector

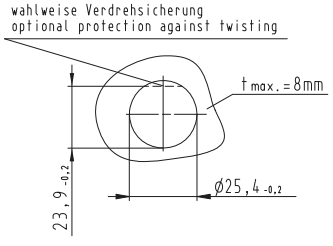
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid fine-stranded stranded	0.75 – 4.0 without ferrules
Term. poles	1
Thread	M25 x 1.5
Gland	outside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	outside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.042.5053.0 96.042.5053.1	96.142.1053.0 96.142.1053.1
~50/-120V	1, 2, 3, 4	signal brown	96.042.5051.4	

Contacts separately under Accessories, see following pages.

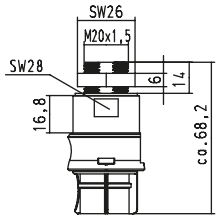
M20 device connector
straight, modular

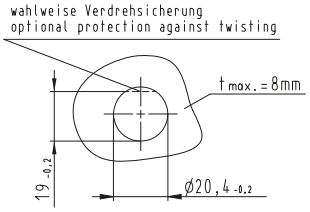
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





with screw connection	
Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.041.6053.0 96.041.6053.1	96.141.2053.0 96.141.2053.1
~50/-120V	1, 2, 3, 4	signal brown	96.041.6051.4	

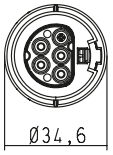
Contacts separately under Accessories, see following pages.

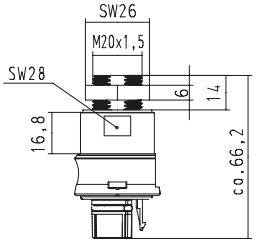
Male connector

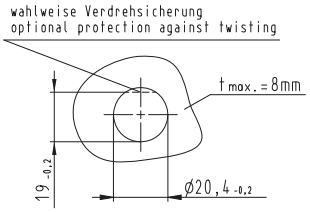
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Leitungen	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M20 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Leitungen	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.042.6053.0 96.042.6053.1	96.142.2053.0 96.142.2053.1
~50/-120V	1, 2, 3, 4	signal brown	96.042.6051.4	

Contacts separately under Accessories, see following pages.

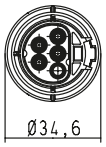
M16 device connector
straight, modular

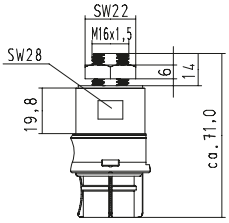
Female connector

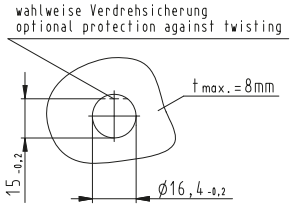
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid fine-stranded stranded	0.75 – 4.0 without ferrules
Term. poles	1
Thread	M16 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside

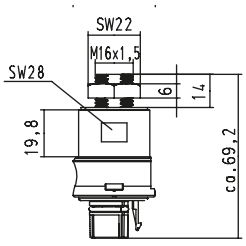
Application	Coding	Color	Part No.	Part No.
250/400V	 1, 2, 3, ⏚	light gray black	96.041.6153.0 96.041.6153.1	96.141.2153.0 96.141.2153.1
~50/-120V	 1, 2, 3, 4	signal brown	96.041.6151.4	

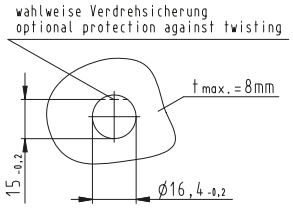
Contacts separately under Accessories, see following pages.

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
With locking device.
Wire strip lengthn siehe unter Technical data.
Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





with screw connection	
Wire	mm²
rigid fine-stranded stranded	0.75 – 4.0 without ferrules
Term. poles	1
Thread	M16 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	 1, 2, 3, ⏚	light gray black	96.042.6153.0 96.042.6153.1	96.142.2153.0 96.142.2153.1
~50/-120V	 1, 2, 3, 4	signal brown	96.042.6151.4	

Contacts separately under Accessories, see following pages.

[1] With wire protection available on request

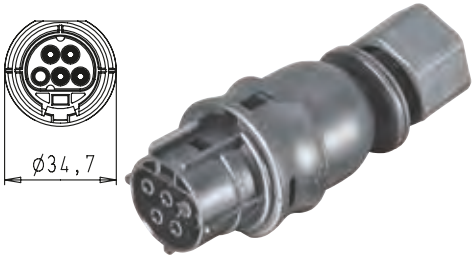
M16 device connector
angled 7°, modular

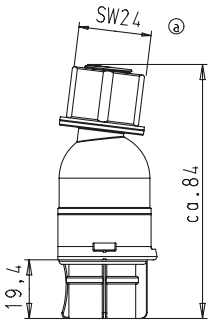
Female connector

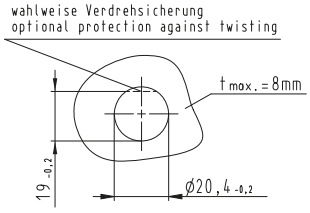
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 7°, thread M16.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M16 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.045.6153.0 96.045.6153.1	96.145.2153.0 96.145.2153.1
~50/-120V	1, 2, 3, 4	signal brown	96.045.6151.4	

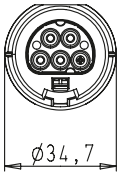
Contacts separately under Accessories, see following pages.

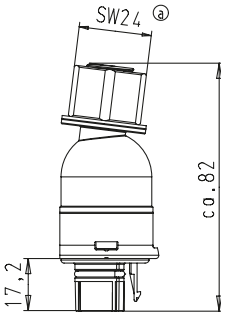
Male connector

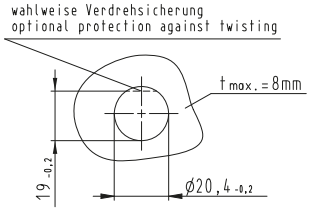
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 7°, thread M16.
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M16 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.046.6153.0 96.046.6153.1	96.146.2153.0 96.146.2153.1
~50/-120V	1, 2, 3, 4	signal brown	96.046.6151.4	

Contacts separately under Accessories, see following pages.

[1] With wire protection available on request

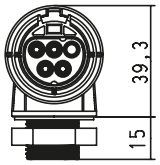
M20 device connector
angled 90°, modular

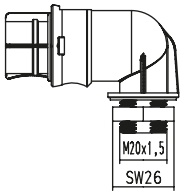
Female connector

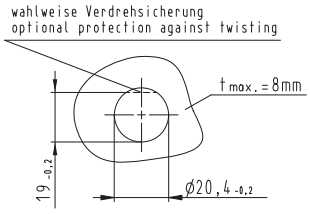
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 90°, thread M20.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	0.75 – 4.0
fine-stranded	without ferrules
stranded	
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.043.6053.0 96.043.6053.1	96.143.2053.0 96.143.2053.1
~50/-120V	1, 2, 3, 4	signal brown	96.043.6051.4	

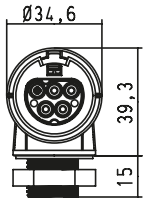
Contacts separately under Accessories, see following pages.

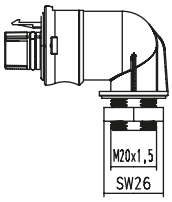
Male connector

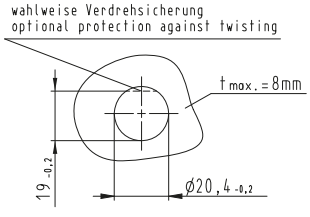
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 90°, thread M20.
With locking device.

Crimp contacts separately available under Accessories-

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	0.75 – 4.0
fine-stranded	without ferrules
stranded	
Term. poles	1
Thread	M20 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.044.6053.0 96.044.6053.1	96.144.2053.0 96.144.2053.1
~50/-120V	1, 2, 3, 4	signal brown	96.044.6051.4	

Contacts separately under Accessories, see following pages.

[1] With wire protection available on request

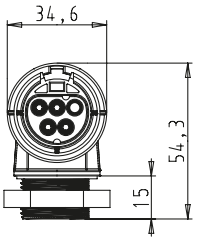
M25 device connector
angled 90°, modular

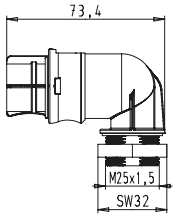
Female connector

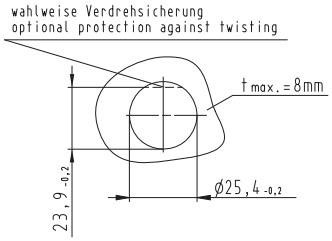
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 90°, thread M25.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection

Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	inside

with crimp connection

Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.043.6253.0 96.043.6253.1	96.143.2253.0 96.143.2253.1
~50/-120V	1, 2, 3, 4	signal brown	96.043.6251.4	

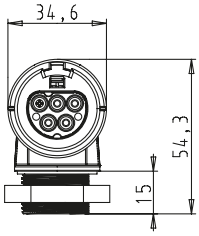
Contacts separately under Accessories, see following pages.

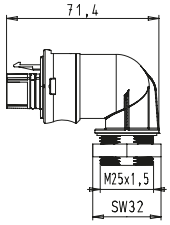
Male connector

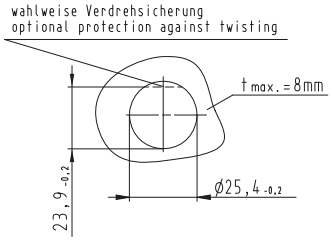
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 90°, thread M25.
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection

Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	inside
Locking device	yes

with crimp connection

Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	1, 2, 3, ⏚	light gray black	96.044.6253.0 96.044.6253.1	96.144.2253.0 96.144.2253.1
~50/-120V	1, 2, 3, 4	signal brown	96.044.6251.4	

Contacts separately under Accessories, see following pages.

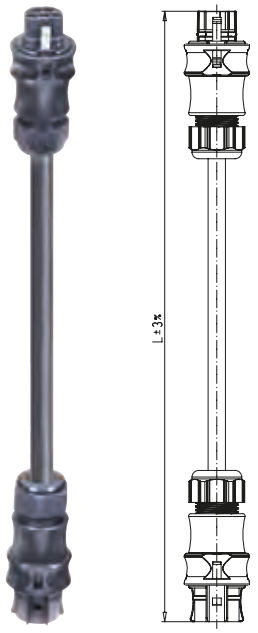
[1] With wire protection available on request

Cable assemblies
Cable 4 x 1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	Gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male



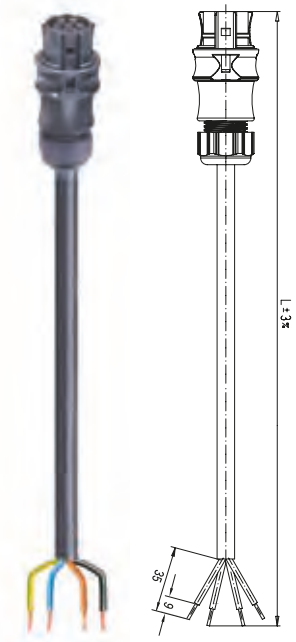
250/400V
black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.442.1000.1
	2	96.442.2000.1
	3	96.442.3000.1
	4	96.442.4000.1
	5	96.442.5000.1
	6	96.442.6000.1
	7	96.442.7000.1
	8	96.442.8000.1

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.442.1030.1
	2	96.442.2030.1
	3	96.442.3030.1
	4	96.442.4030.1
	5	96.442.5030.1
	6	96.442.6030.1
	7	96.442.7030.1
	8	96.442.8030.1

4-pole cables - one pole is not configured

Connection cables female – free end



250/400V
black

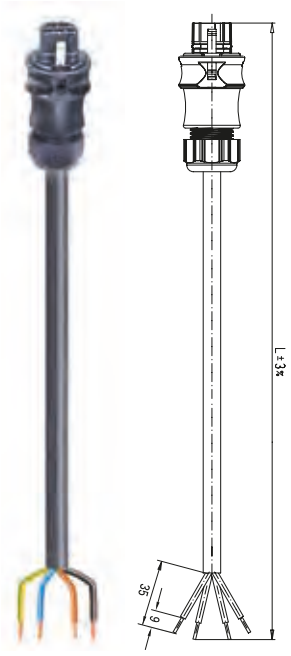
Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.442.1003.1
	2	96.442.2003.1
	3	96.442.3003.1
	4	96.442.4003.1
	5	96.442.5003.1
	6	96.442.6003.1
	7	96.442.7003.1
	8	96.442.8003.1

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.442.1033.1
	2	96.442.2033.1
	3	96.442.3033.1
	4	96.442.4033.1
	5	96.442.5033.1
	6	96.442.6033.1
	7	96.442.7033.1
	8	96.442.8033.1

4-pole cables - one pole is not configured

Cable assemblies
Cable 4 x 1.5 mm²; 16 A

Connection cables male – free end



250/400V
black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.442.1004.1
	2	96.442.2004.1
	3	96.442.3004.1
	4	96.442.4004.1
	5	96.442.5004.1
	6	96.442.6004.1
	7	96.442.7004.1
	8	96.442.8004.1

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.442.1034.1
	2	96.442.2034.1
	3	96.442.3034.1
	4	96.442.4034.1
	5	96.442.5034.1
	6	96.442.6034.1
	7	96.442.7034.1
	8	96.442.8034.1

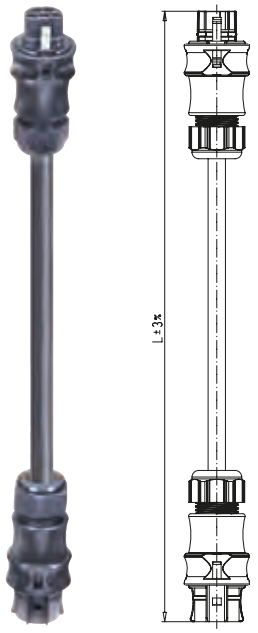
4-pole cables - one pole is not configured

Cable assemblies
Cable 4 x 2.5 mm²; 20 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	Gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male



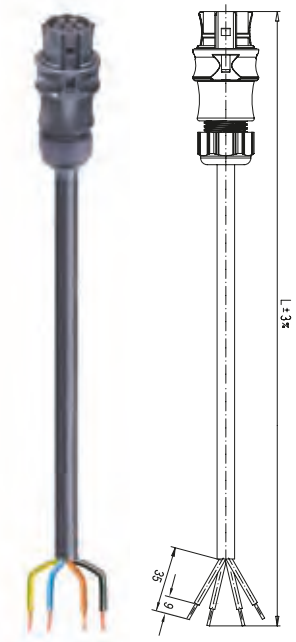
250/400V
black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.443.1000.1
	2	96.443.2000.1
	3	96.443.3000.1
	4	96.443.4000.1
	5	96.443.5000.1
	6	96.443.6000.1
	7	96.443.7000.1
	8	96.443.8000.1

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.443.1030.1
	2	96.443.2030.1
	3	96.443.3030.1
	4	96.443.4030.1
	5	96.443.5030.1
	6	96.443.6030.1
	7	96.443.7030.1
	8	96.443.8030.1

4-pole cables - one pole is not configured

Connection cables female – free end



250/400V
black

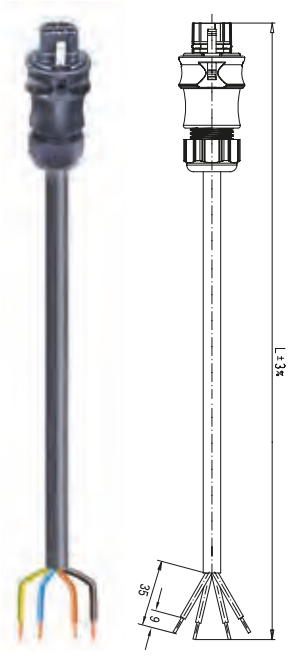
Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.443.1003.1
	2	96.443.2003.1
	3	96.443.3003.1
	4	96.443.4003.1
	5	96.443.5003.1
	6	96.443.6003.1
	7	96.443.7003.1
	8	96.443.8003.1

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.443.1033.1
	2	96.443.2033.1
	3	96.443.3033.1
	4	96.443.4033.1
	5	96.443.5033.1
	6	96.443.6033.1
	7	96.443.7033.1
	8	96.443.8033.1

4-pole cables - one pole is not configured

Cable assemblies
Cable 4 x 2.5 mm²; 20 A

Connection cables male – free end



250/400V
black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1	96.443.1004.1
	2	96.443.2004.1
	3	96.443.3004.1
	4	96.443.4004.1
	5	96.443.5004.1
	6	96.443.6004.1
	7	96.443.7004.1
	8	96.443.8004.1

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.443.1034.1
	2	96.443.2034.1
	3	96.443.3034.1
	4	96.443.4034.1
	5	96.443.5034.1
	6	96.443.6034.1
	7	96.443.7034.1
	8	96.443.8034.1

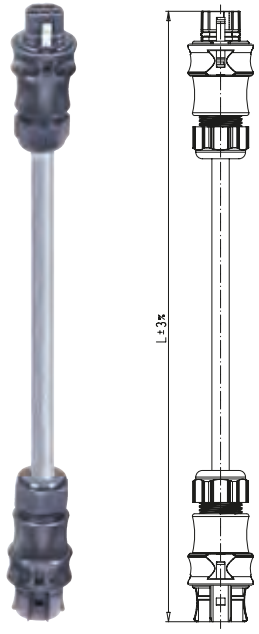
4-pole cables - one pole is not configured

Cable assemblies
Cable 4 x 1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	Gland nut
Interlock	integrated
Color cable	grey
Color handle shell	black

Connection cables female – male

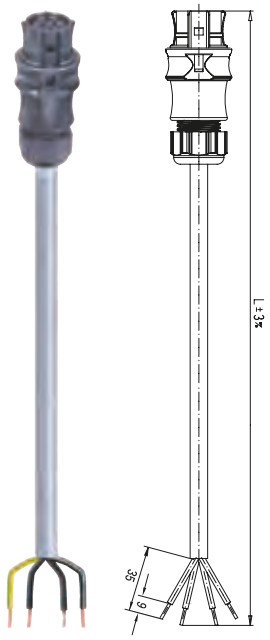


250/400V
black

Cable	Length m	Part No.
PVC cable Ölflex Classic 100 containing halogen	1	96.442.1080.1
	2	96.442.2080.1
	3	96.442.3080.1
	4	96.442.4080.1
	5	96.442.5080.1
	6	96.442.6080.1
	7	96.442.7080.1
	8	96.442.8080.1

4-pole cables - one pole is not configured

Connection cables female – free end



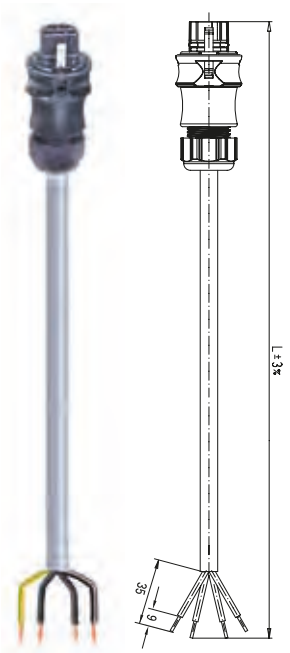
250/400V
black

Cable	Length m	Part No.
PVC cable Ölflex Classic 100 containing halogen	1	96.442.1083.1
	2	96.442.2083.1
	3	96.442.3083.1
	4	96.442.4083.1
	5	96.442.5083.1
	6	96.442.6083.1
	7	96.442.7083.1
	8	96.442.8083.1

4-pole cables - one pole is not configured

Cable assemblies
Cable 4 x 1.5 mm²; 16 A

Connection cables male – free end



250/400V
black

Cable	Length m	Part No.
PVC cable Ölflex Classic 100 containing halogen	1	96.442.1084.1
	2	96.442.2084.1
	3	96.442.3084.1
	4	96.442.4084.1
	5	96.442.5084.1
	6	96.442.6084.1
	7	96.442.7084.1
	8	96.442.8084.1

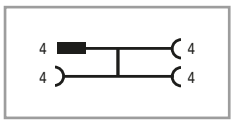
4-pole cables - one pole is not configured

Distribution units

RST compact distribution unit

Dimensions	104 x 162 x 57.2 mm	Pre-wired with	2.5 mm²
Fitted as required with	M25 device connectors 4-pole	Mounting option	Yes

Circuit diagram

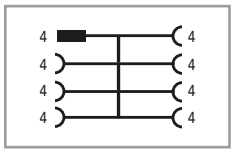


Color	Input	Outputs	Part No.
■ black	1, RST20i4	3, RST20i4	99.911.0000.7

RST multiple distribution unit

Dimensions	112 x 154 x 94 mm	Pre-wired with	2.5 mm²
Fitted as required with	M25 device connectors 4-pole	Fuse	6.3 or 10A can be integrated

Circuit diagram



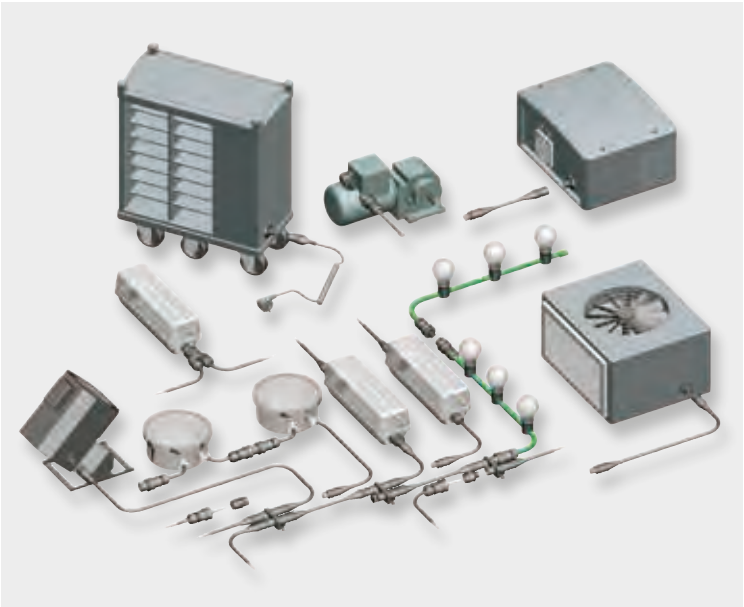
Color	Input	Outputs	Part No.
■ black	1, RST20i4	4, RST20i4	99.935.0000.7
■ black	1, RST20i4	5, RST20i4	99.916.0000.7
■ black	1, RST20i4	7, RST20i4	99.936.0000.7

Detailed information about the distribution units available in section "Compact/Multiple distribution units"


wieland
wieland

General power applications, switching functions, power/dimming signals and low voltage

Application example



General

Four variations are available for applications up to 250/400 V (for example mains, switching functions, a version to combine power and dimming signals), as well as a version for low-voltage applications up to 50/120 V.

All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear separation of different applications without having to redo any incorrect connections. The color of the connectors indicates the links that belong together.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

				Application	250/400V		250V	250/400V	250/400V	~50/-120V
				Mechanical coding	⏚, N, 3, 2, 1		L, N, ⏚,D1, D2	1,2,3, 4,5	N,E,1,2,3	1,2,3,4,5
Name	**Description**	**Connection style**	**Strain relief housing**	**Connection points per pole**	light gray	black	turquoise	light blue	yellow	signal brown
Connector	1 x cable entry	Screw Crimp	yes	1	✓	✓	✓	✓	✓	✓
	2 x cable entry	Screw Spring clamp	yes	1	✓	✓	✓	✓	✓	✓
Distribution units	RST compact distribution unit/ multi-distribution unit				on request	on request	on request	on request	on request	on request
	Individual distribution box				on request	on request	on request	on request	on request	on request
Device connectors	M16 device connector, modular, straight				✓	✓	✓	✓		✓
	M16 device connector, modular, angled 7°				✓	✓	✓	✓		✓
	M25 device connector, standard				✓	✓	✓	✓	✓	✓
	M20 device connector, standard				✓	✓	✓	✓		✓
	M20 device connector, modular, straight				✓	✓	✓	✓		✓
	M25 device connector, modular, angled				✓	✓	✓	✓		✓
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓		✓
	Connection cable Female – Free end	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓		✓
	Extension cable Male – Female	pre-assembled	pre-assembled	pre-assembled	✓	✓	✓	✓		✓

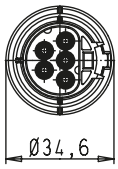
Connectors, straight
for cables Ø 6 – 10 mm and 10 – 14 mm

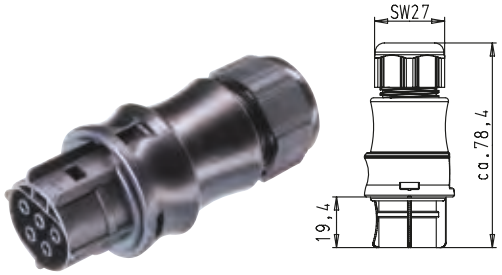
Female connector

Unmounted with cable gland.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.





with screw connection[1]	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	6 – 10	light gray black	96.051.4053.0 96.051.4053.1	96.151.0053.0 96.151.0053.1
		10 – 14	light gray black	96.051.4153.0 96.051.4153.1	96.151.0153.0 96.151.0153.1
	L, ⏚, N, D1, D2	6 – 10 10 –14	turquoise	96.051.4053.6 96.051.4153.6	96.151.0053.6 96.151.0153.6
	1, 2, 3, 4, 5	6 – 10 10 –14	light blue	96.051.4053.9 96.051.4153.9	96.151.0053.9 96.151.0153.9
	N, E, 1, 2, 3	6 – 10	yellow	96.051.4053.2	
~50/-120V	1, 2, 3, 4, 5	6 – 10 10 –14	signal brown	96.051.4051.4 96.051.4151.4	96.151.0051.4 96.151.0151.4

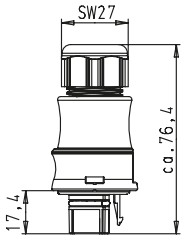
Contacts separately under Accessories, see following pages.

Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.



with screw connection[1]	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Locking device	yes

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	6 – 10	light gray black	96.052.4053.0 96.052.4053.1	96.152.0053.0 96.152.0053.1
		10 – 14	light gray black	96.052.4153.0 96.052.4153.1	96.152.0153.0 96.152.0153.1
	L, ⏚, N, D1, D2	6 – 10 10 –14	turquoise	96.052.4053.6 96.052.4153.6	96.152.0053.6 96.152.0153.6
	1, 2, 3, 4, 5	6 – 10 10 –14	light blue	96.052.4053.9 96.052.4153.9	96.152.0053.9 96.152.0153.9
	N, E, 1, 2, 3	6 – 10	yellow	96.052.4053.2	
~50/-120V	1, 2, 3, 4, 5	6 – 10 10 –14	signal brown	96.052.4051.4 96.052.4151.4	96.152.0051.4 96.152.0151.4

Contacts separately under Accessories, see following pages.

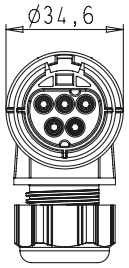
[1] With wire protection available on request

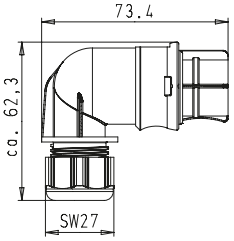
Connectors, angled 90°
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable gland.
90° angle.

See the Technical Data for sheath and insulation strip length as well as the ferrules to be used.





with screw connection[1)]

Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules

with crimp connection

Wire	mm²
fine-stranded	0.75 – 4.0

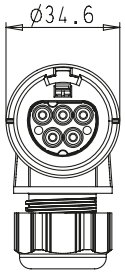
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	6 – 10	light gray black	96.053.4053.0	96.153.0053.0
				96.053.4053.1	96.153.0053.1
		10 – 14	light gray black	96.053.4153.0	96.153.0153.0
				96.053.4153.1	96.153.0153.1
	L, ⏚, N, D1, D2	6 – 10	turquoise	96.053.4053.6	96.153.0053.6
		10 –14		96.053.4153.6	96.153.0153.6
	1, 2, 3, 4, 5	6 – 10	light blue	96.053.4053.9	96.153.0053.9
		10 –14		96.053.4153.9	96.153.0153.9
~50/-120V	1, 2, 3, 4, 5	6 – 10	signal brown	96.053.4051.4	96.153.0051.4
		10 –14		96.053.4151.4	96.153.0151.4

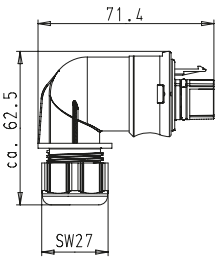
Contacts separately under Accessories, see following pages.

Male connector

Unmounted with cable gland and locking device.
90° angle.

See the Technical Data for sheath and i nsulation strip length as well as the ferrules to be used.





with screw connection[1)]

Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Locking device	yes

with crimp connection

Wire	mm²
fine-stranded	0.75 – 4.0
Locking device	yes

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	6 – 10	light gray black	96.054.4053.0	96.154.0053.0
				96.054.4053.1	96.154.0053.1
		10 – 14	light gray black	96.054.4153.0	96.154.0153.0
				96.054.4153.1	96.154.0153.1
	L, ⏚, N, D1, D2	6 – 10	turquoise	96.054.4053.6	96.154.0053.6
		10 –14		96.054.4153.6	96.154.0153.6
	1, 2, 3, 4, 5	6 – 10	light blue	96.054.4053.9	96.154.0053.9
		10 –14		96.054.4153.9	96.154.0153.9
~50/-120V	1, 2, 3, 4, 5	6 – 10	signal brown	96.054.4051.4	96.154.0051.4
		10 –14		96.054.4151.4	96.154.0151.4

Contacts separately under Accessories, see following pages.

[1)] With wire protection available on request

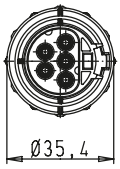
Connectors, straight
for cable Ø 13 – 18 mm

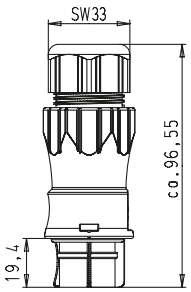
Female connector

Unmounted with cable gland.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.





	with screw connection[1]	with crimp connection
Wire	mm²	mm²
rigid	0.75 – 4.0 without ferrules	
fine-stranded		0.75 – 4.0
stranded		

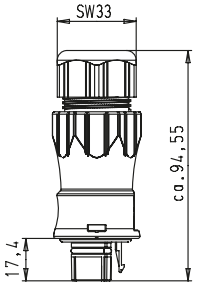
Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	13 – 18	light gray black	96.051.4553.0 96.051.4553.1	96.151.0553.0 96.151.0553.1
	L, ⏚, N, D1, D2	13 – 18	turquoise	96.051.4553.6	96.151.0553.6
	1, 2, 3, 4, 5	13 – 18	light blue	96.051.4553.9	96.151.0553.9
	N, E, 1, 2, 3	13 – 18	yellow	96.051.4553.2	
~50/-120V	1, 2, 3, 4, 5	13 – 18	signal brown	96.051.4551.4	96.151.0551.4

Contacts separately under Accessories, see following pages.

Male connector

Unmounted with cable gland and locking device. Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.



	with screw connection[1]	with crimp connection
Wire	mm²	mm²
rigid	0.75 – 4.0 without ferrules	
fine-stranded		0.75 – 4.0
stranded		
Locking device	yes	yes

Application	Coding	Cable diameter in mm	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	13 – 18	light gray black	96.052.4553.0 96.052.4553.1	96.152.0553.0 96.152.0553.1
	L, ⏚, N, D1, D2	13 – 18	turquoise	96.052.4553.6	96.152.0553.6
	1, 2, 3, 4, 5	13 – 18	light blue	96.052.4553.9	96.152.0553.9
	N, E, 1, 2, 3	13 – 18	yellow	96.052.4553.2	
~50/-120V	1, 2, 3, 4, 5	13 – 18	signal brown	96.052.4551.4	96.152.0551.4

Contacts separately under Accessories, see following pages.

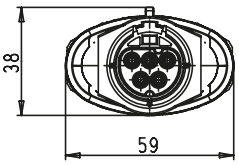
[1] With wire protection available on request

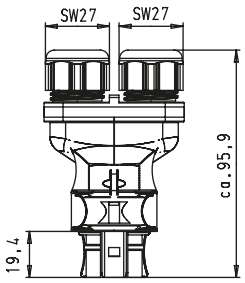
Splitter connector, straight
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable glands.

See Technical Data for sheath and insulation strip lengths.



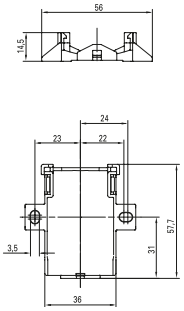


with screw connection[1)]

Wire	mm²
rigid	0.75 – 1.5
fine-stranded	without ferrules
stranded	

Application	Coding	Cable diameter in mm	Color	Part No.
250/400V	⏚, N, 3, 2, 1	6 – 10	light gray	96.051.4253.0
			black	96.051.4253.1
		10 – 14	light gray	96.051.4353.0
			black	96.051.4353.1
	L, ⏚, N, D1, D2	6 – 10	turquoise	96.051.4253.6
		10 –14		96.051.4353.6
	1, 2, 3, 4, 5	6 – 10	light blue	96.051.4253.9
		10 –14		96.051.4353.9
~50/-120V	1, 2, 3, 4, 5	6 – 10	signal brown	96.051.4251.4
		10 –14		96.051.4351.4

Mounting plate for splitter connectors



Color	Part No.
gray	01.006.1553.0
black	01.006.1553.1

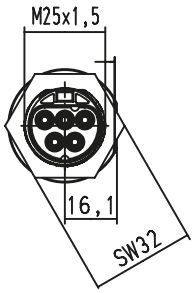
[1)] With wire protection available on request

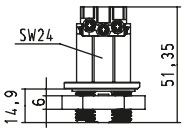
M25 device connector
straight, standard

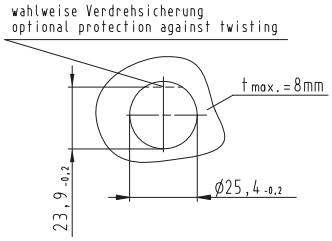
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

Crimp contacts separately available under Accessories.
See the Technical Data for insulation strip lengths.
For spacer rings for unlocking the device connetor, see Accessories.







with screw connection

Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	outside

with crimp connection

Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	outside

Contacts separately under Accessories, see following pages.

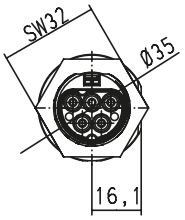
Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.051.5053.0 96.051.5053.1	96.151.1053.0 96.151.1053.1
	L, ⏚, N, D1, D2	turquoise	96.051.5053.6	96.151.1053.6
	1, 2, 3, 4, 5	light blue	96.051.5053.9	96.151.1053.9
	N, E, 1, 2, 3	signal brown		96.151.1053.2
~50/-120V	1, 2, 3, 4, 5	yellow	96.051.5051.4	96.151.1051.4

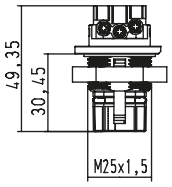
Male connector

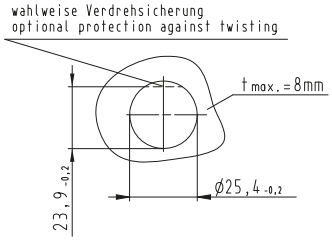
Correct positioning guaranteed due to flattened thread. With locking device.
Fastening with screws from outside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection

Wire	mm²
rigid	0.75 – 4.0 without ferrules
fine-stranded	
stranded	
Term. poles	1
Thread	M25 x 1.5
Gland	outside
Locking device	yes

with crimp connection

Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	outside
Locking device	yes

Contacts separately under Accessories, see following pages.

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.052.5053.0 96.052.5053.1	96.152.1053.0 96.152.1053.1
	L, ⏚, N, D1, D2	turquoise	96.052.5053.6	96.152.1053.6
	1, 2, 3, 4, 5	light blue	96.052.5053.9	96.152.1053.9
	N, E, 1, 2, 3	signal brown		96.152.1053.2
~50/-120V	1, 2, 3, 4, 5	yellow	96.052.5051.4	96.152.1051.4

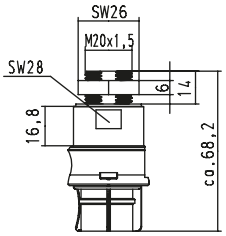
M20 device connector
straight, modular

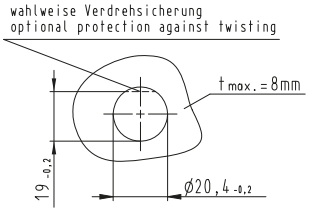
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.





	with screw connection	with crimp connection
Wire	mm²	mm²
rigid		
fine-stranded	0.75 – 4.0	0.75 – 4.0
stranded	without ferrules	
Term. poles	1	1
Thread	M20 x 1.5	M20 x 1.5
Gland	inside	inside

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.051.6053.0 96.051.6053.1	96.151.2053.0 96.151.2053.1
	L, ⏚, N, D1, D2	turquoise	96.051.6053.6	96.151.2053.6
	1, 2, 3, 4, 5	light blue	96.051.6053.9	96.151.2053.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.051.6051.4	96.151.2051.4

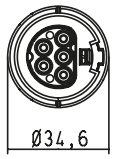
Contacts separately under Accessories, see following pages.

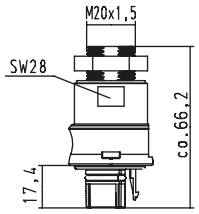
Male connector

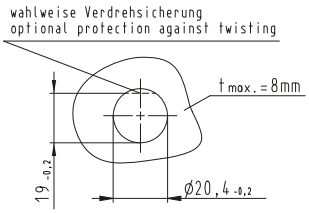
Correct positioning guaranteed due to flattened thread. With locking device.
Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.







	with screw connection	with crimp connection
Wire	mm²	mm²
rigid		
fine-stranded	0.75 – 4.0	0.75 – 4.0
stranded	without ferrules	
Term. poles	1	1
Thread	M20 x 1.5	M20 x 1.5
Gland	inside	inside
Locking device	yes	yes

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.052.6053.0 96.052.6053.1	96.152.2053.0 96.152.2053.1
	L, ⏚, N, D1, D2	turquoise	96.052.6053.6	96.152.2053.6
	1, 2, 3, 4, 5	light blue	96.052.6053.9	96.152.2053.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.052.6051.4	96.152.2051.4

Contacts separately under Accessories, see following pages.

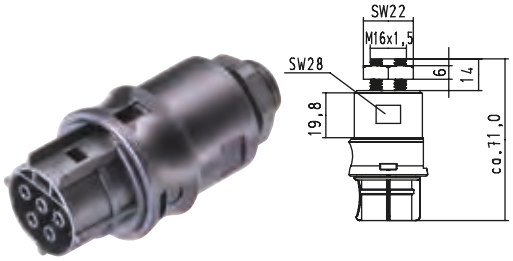
M16 device connector
straight, modular

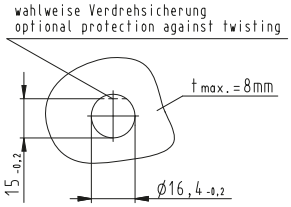
Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





	with screw connection	with crimp connection
Wire	mm²	mm²
rigid		
fine-stranded	0.75 – 4.0	0.75 – 4.0
stranded	without ferrules	
Term. poles	1	1
Thread	M16 x 1.5	M16 x 1.5
Gland	inside	inside

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.051.6153.0 96.051.6153.1	96.151.2153.0 96.151.2153.1
	L, ⏚, N, D1, D2	turquoise	96.051.6153.6	96.151.2153.6
	1, 2, 3, 4, 5	light blue	96.051.6153.9	96.151.2153.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.051.6151.4	96.151.2151.4

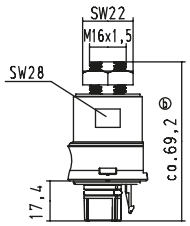
Contacts separately under Accessories, see following pages.

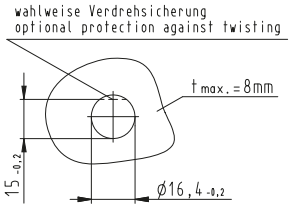
Male connector

Correct positioning guaranteed due to flattened thread. With locking device.
Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





	with screw connection	with crimp connection
Wire	mm²	mm²
rigid		
fine-stranded	0.75 – 4.0	0.75 – 4.0
stranded	without ferrules	
Term. poles	1	1
Thread	M16 x 1.5	M16 x 1.5
Gland	inside	inside
Locking device	yes	yes

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.052.6153.0 96.052.6153.1	96.152.2153.0 96.152.2153.1
	L, ⏚, N, D1, D2	turquoise	96.052.6153.6	96.152.2153.6
	1, 2, 3, 4, 5	light blue	96.052.6153.9	96.152.2153.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.052.6151.4	96.152.2151.4

Contacts separately under Accessories, see following pages.

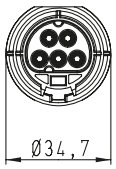
M16 device connector
angled 7°, modular

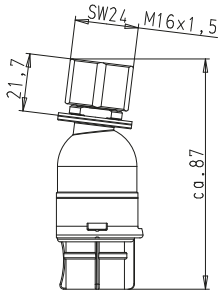
Female connector

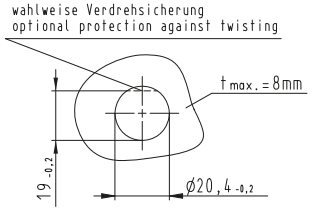
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 7°, thread M16.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Term. poles	1
Thread	M16 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.055.6153.0 96.055.6153.1	96.155.2153.0 96.155.2153.1
	L, ⏚, N, D1, D2	turquoise	96.055.6153.6	96.155.2153.6
	1, 2, 3, 4, 5	light blue	96.055.6153.9	96.155.2153.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.055.6151.4	96.155.2151.4

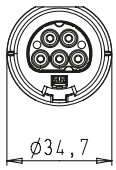
Contacts separately under Accessories, see following pages.

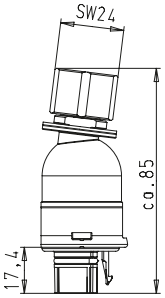
Male connector

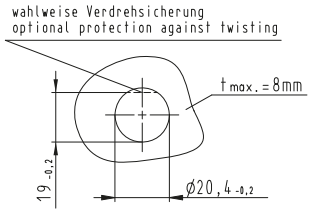
Correct positioning guaranteed due to flattened thread. With locking device.
Fastening with screws from inside.
Angled 7°, thread M16.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Term. poles	1
Thread	M16 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M16 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.056.6153.0 96.056.6153.1	96.156.2153.0 96.156.2153.1
	L, ⏚, N, D1, D2	turquoise	96.056.6153.6	96.156.2153.6
	1, 2, 3, 4, 5	light blue	96.056.6153.9	96.156.2153.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.056.6151.4	96.156.2151.4

Contacts separately under Accessories, see following pages.

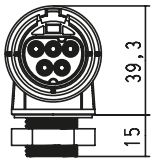
M20 device connector
angled 90°, modular

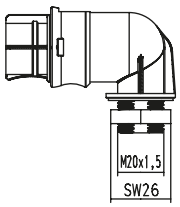
Female connector

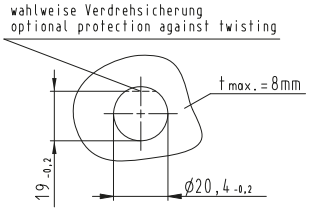
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 90°, thread M20.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Term. poles	1
Thread	M20 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.053.6053.0 96.053.6053.1	96.153.2053.0 96.153.2053.1
	L, ⏚, N, D1, D2	turquoise	96.053.6053.6	96.153.2053.6
	1, 2, 3, 4, 5	light blue	96.053.6053.9	96.153.2053.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.053.6051.4	96.153.2051.4

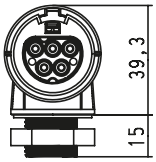
Contacts separately under Accessories, see following pages.

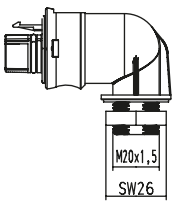
Male connector

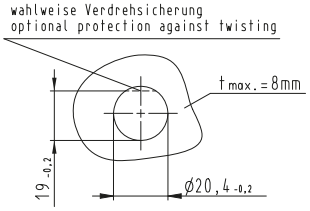
Correct positioning guaranteed due to flattened thread. With locking device.
Fastening with screws from inside.
Angled 90°, thread M20.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Term. poles	1
Thread	M20 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M20 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.054.6053.0 96.054.6053.1	96.154.2053.0 96.154.2053.1
	L, ⏚, N, D1, D2	turquoise	96.054.6053.6	96.154.2053.6
	1, 2, 3, 4, 5	light blue	96.054.6053.9	96.154.2053.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.054.6051.4	96.154.2051.4

Contacts separately under Accessories, see following pages.

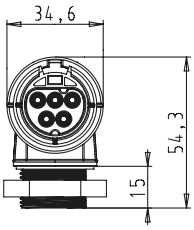
M25 device connector
angled 90°, modular

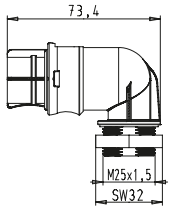
Female connector

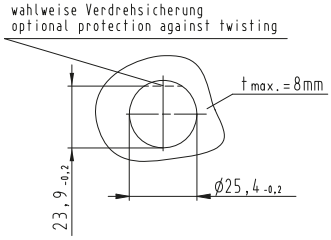
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.
Angled 90°, thread M25.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Term. poles	1
Thread	M25 x 1.5
Gland	inside

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	inside

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.053.6253.0 96.053.6253.1	96.153.2253.0 96.153.2253.1
	L, ⏚, N, D1, D2	turquoise	96.053.6253.6	96.153.2253.6
	1, 2, 3, 4, 5	light blue	96.053.6253.9	96.153.2253.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.053.6251.4	96.153.2251.4

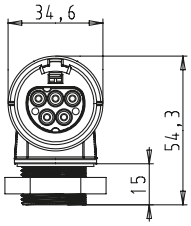
Contacts separately under Accessories, see following pages.

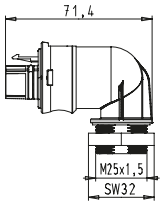
Male connector

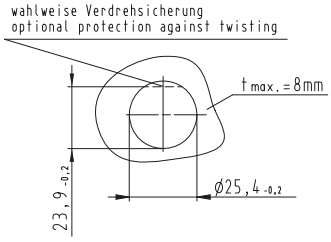
Correct positioning guaranteed due to flattened thread. With locking device.
Fastening with screws from inside.
Angled 90°, thread M25.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.







with screw connection	
Wire	mm²
rigid	
fine-stranded	0.75 – 4.0
stranded	without ferrules
Term. poles	1
Thread	M25 x 1.5
Gland	inside
Locking device	yes

with crimp connection	
Wire	mm²
fine-stranded	0.75 – 4.0
Term. poles	1
Thread	M25 x 1.5
Gland	inside
Locking device	yes

Application	Coding	Color	Part No.	Part No.
250/400V	⏚, N, 3, 2, 1	light gray black	96.054.6253.0 96.054.6253.1	96.154.2253.0 96.154.2253.1
	L, ⏚, N, D1, D2	turquoise	96.054.6253.6	96.154.2253.6
	1, 2, 3, 4, 5	light blue	96.054.6253.9	96.154.2253.9
~50/-120V	1, 2, 3, 4, 5	signal brown	96.054.6251.4	96.154.2251.4

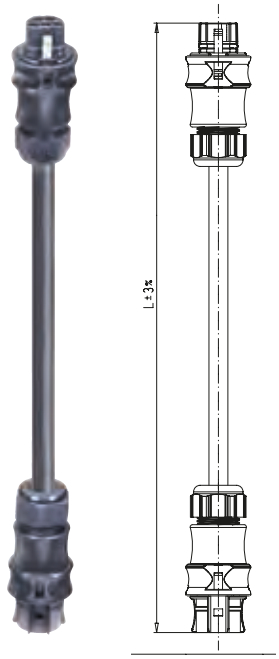
Contacts separately under Accessories, see following pages.

Cable assemblies
Cable 5 x 1.5 mm²; 16 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	with gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male



250/400V black

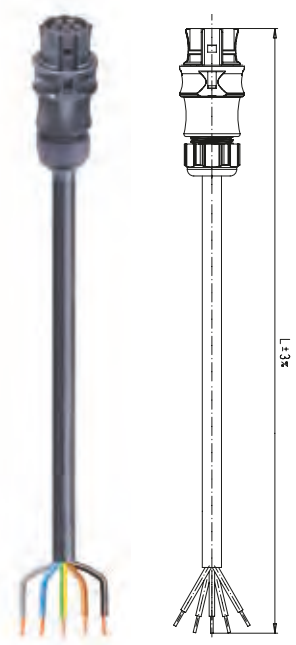
250V turquoise

Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.452.1000.1	96.452.1000.6
	2	96.452.2000.1	96.452.2000.6
	3	96.452.3000.1	96.452.3000.6
	4	96.452.4000.1	96.452.4000.6
	5	96.452.5000.1	96.452.5000.6
	6	96.452.6000.1	96.452.6000.6
	7	96.452.7000.1	96.452.7000.6
	8	96.452.8000.1	96.452.8000.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.452.1030.1	96.452.1030.6
	2	96.452.2030.1	96.452.2030.6
	3	96.452.3030.1	96.452.3030.6
	4	96.452.4030.1	96.452.4030.6
	5	96.452.5030.1	96.452.5030.6
	6	96.452.6030.1	96.452.6030.6
	7	96.452.7030.1	96.452.7030.6
	8	96.452.8030.1	96.452.8030.6

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.452.1050.1
	2	96.452.2050.1
	3	96.452.3050.1
	4	96.452.4050.1
	5	96.452.5050.1
	6	96.452.6050.1
	7	96.452.7050.1
	8	96.452.8050.1

Connection cables female – free end



250/400V black

250V turquoise

Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.452.1003.1	96.452.1003.6
	2	96.452.2003.1	96.452.2003.6
	3	96.452.3003.1	96.452.3003.6
	4	96.452.4003.1	96.452.4003.6
	5	96.452.5003.1	96.452.5003.6
	6	96.452.6003.1	96.452.6003.6
	7	96.452.7003.1	96.452.7003.6
	8	96.452.8003.1	96.452.8003.6

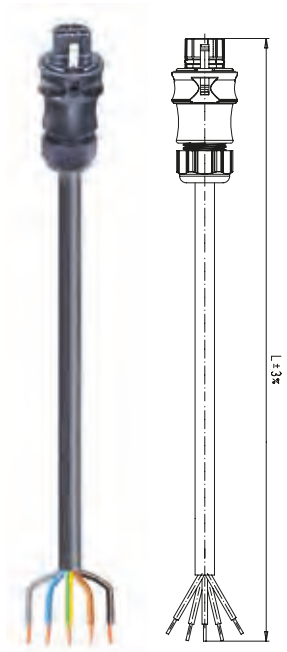
Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.452.1033.1	96.452.1033.6
	2	96.452.2033.1	96.452.2033.6
	3	96.452.3033.1	96.452.3033.6
	4	96.452.4033.1	96.452.4033.6
	5	96.452.5033.1	96.452.5033.6
	6	96.452.6033.1	96.452.6033.6
	7	96.452.7033.1	96.452.7033.6
	8	96.452.8033.1	96.452.8033.6

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.452.1053.1
	2	96.452.2053.1
	3	96.452.3053.1
	4	96.452.4053.1
	5	96.452.5053.1
	6	96.452.6053.1
	7	96.452.7053.1
	8	96.452.8053.1

Other cable lengths, other codings upon request

Cable assemblies
Cable 5 x 1.5 mm²; 16 A

Connection cables male – free end



250/400V black

250V turquoise

Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.452.1004.1	96.452.1004.6
	2	96.452.2004.1	96.452.2004.6
	3	96.452.3004.1	96.452.3004.6
	4	96.452.4004.1	96.452.4004.6
	5	96.452.5004.1	96.452.5004.6
	6	96.452.6004.1	96.452.6004.6
	7	96.452.7004.1	96.452.7004.6
	8	96.452.8004.1	96.452.8004.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.452.1034.1	96.452.1034.6
	2	96.452.2034.1	96.452.2034.6
	3	96.452.3034.1	96.452.3034.6
	4	96.452.4034.1	96.452.4034.6
	5	96.452.5034.1	96.452.5034.6
	6	96.452.6034.1	96.452.6034.6
	7	96.452.7034.1	96.452.7034.6
	8	96.452.8034.1	96.452.8034.6

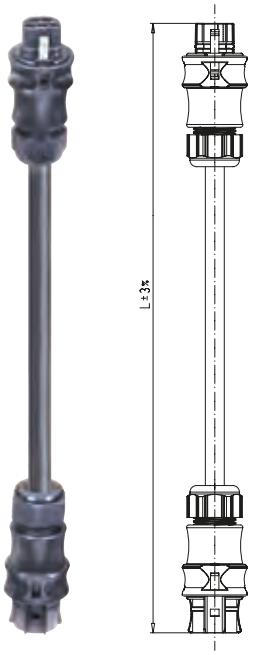
Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.452.1054.1
	2	96.452.2054.1
	3	96.452.3054.1
	4	96.452.4054.1
	5	96.452.5054.1
	6	96.452.6054.1
	7	96.452.7054.1
	8	96.452.8054.1

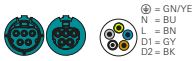
Cable assemblies
Cable 5 x 2.5 mm²; 20 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	with gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male



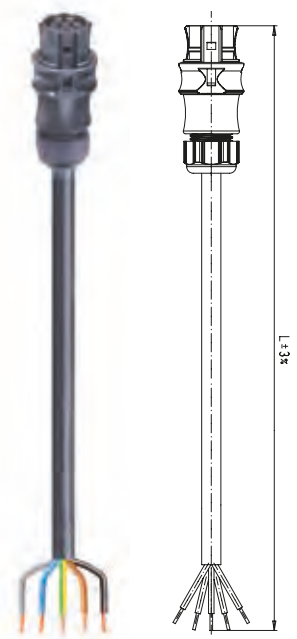


Cable	Length m	250/400V black Part No.	250V turquoise Part No.
PVC cable H05VV-F containing halogen	1	96.453.1000.1	96.453.1000.6
	2	96.453.2000.1	96.453.2000.6
	3	96.453.3000.1	96.453.3000.6
	4	96.453.4000.1	96.453.4000.6
	5	96.453.5000.1	96.453.5000.6
	6	96.453.6000.1	96.453.6000.6
	7	96.453.7000.1	96.453.7000.6
	8	96.453.8000.1	96.453.8000.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.453.1030.1	96.453.1030.6
	2	96.453.2030.1	96.453.2030.6
	3	96.453.3030.1	96.453.3030.6
	4	96.453.4030.1	96.453.4030.6
	5	96.453.5030.1	96.453.5030.6
	6	96.453.6030.1	96.453.6030.6
	7	96.453.7030.1	96.453.7030.6
	8	96.453.8030.1	96.453.8030.6

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.453.1050.1
	2	96.453.2050.1
	3	96.453.3050.1
	4	96.453.4050.1
	5	96.453.5050.1
	6	96.453.6050.1
	7	96.453.7050.1
	8	96.453.8050.1

Connection cables female – free end



Cable	Length m	250/400V black Part No.	250V turquoise Part No.
PVC cable H05VV-F containing halogen	1	96.453.1003.1	96.453.1003.6
	2	96.453.2003.1	96.453.2003.6
	3	96.453.3003.1	96.453.3003.6
	4	96.453.4003.1	96.453.4003.6
	5	96.453.5003.1	96.453.5003.6
	6	96.453.6003.1	96.453.6003.6
	7	96.453.7003.1	96.453.7003.6
	8	96.453.8003.1	96.453.8003.6

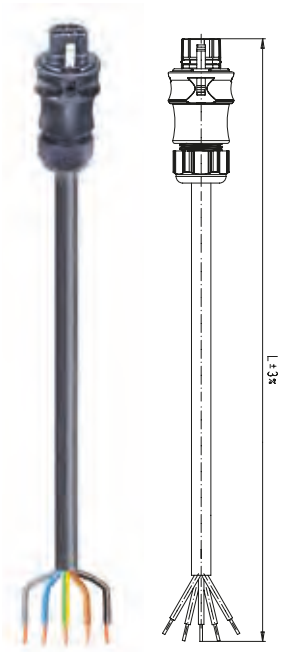
Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.453.1033.1	96.453.1033.6
	2	96.453.2033.1	96.453.2033.6
	3	96.453.3033.1	96.453.3033.6
	4	96.453.4033.1	96.453.4033.6
	5	96.453.5033.1	96.453.5033.6
	6	96.453.6033.1	96.453.6033.6
	7	96.453.7033.1	96.453.7033.6
	8	96.453.8033.1	96.453.8033.6

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.453.1053.1
	2	96.453.2053.1
	3	96.453.3053.1
	4	96.453.4053.1
	5	96.453.5053.1
	6	96.453.6053.1
	7	96.453.7053.1
	8	96.453.8053.1

Other cable lengths, other codings upon request

Cable assemblies
Cable 5 x 2.5 mm²; 20 A

Connection cables male – free end



Cable	Length m	250/400V black ⏚ = GN/YE N = BU 1 = BN 2 = BK 3 = GY	250V turquoise ⏚ = GN/YE N = BU L = BN D1 = GY D2 = BK
		Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.453.1004.1	96.453.1004.6
	2	96.453.2004.1	96.453.2004.6
	3	96.453.3004.1	96.453.3004.6
	4	96.453.4004.1	96.453.4004.6
	5	96.453.5004.1	96.453.5004.6
	6	96.453.6004.1	96.453.6004.6
	7	96.453.7004.1	96.453.7004.6
	8	96.453.8004.1	96.453.8004.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.453.1034.1	96.453.1034.6
	2	96.453.2034.1	96.453.2034.6
	3	96.453.3034.1	96.453.3034.6
	4	96.453.4034.1	96.453.4034.6
	5	96.453.5034.1	96.453.5034.6
	6	96.453.6034.1	96.453.6034.6
	7	96.453.7034.1	96.453.7034.6
	8	96.453.8034.1	96.453.8034.6

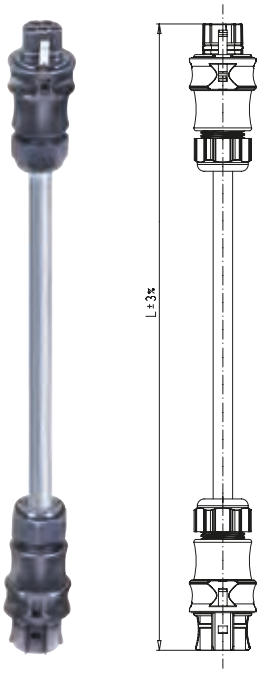
Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F enhanced version halogen-free	1	96.453.1054.1
	2	96.453.2054.1
	3	96.453.3054.1
	4	96.453.4054.1
	5	96.453.5054.1
	6	96.453.6054.1
	7	96.453.7054.1
	8	96.453.8054.1

Cable assemblies
Cable 5 x 2.5 mm²; 20 A (Power 5-pole)

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	with gland nut
Interlock	integrated
Color cable	gray
Color handle shell	black

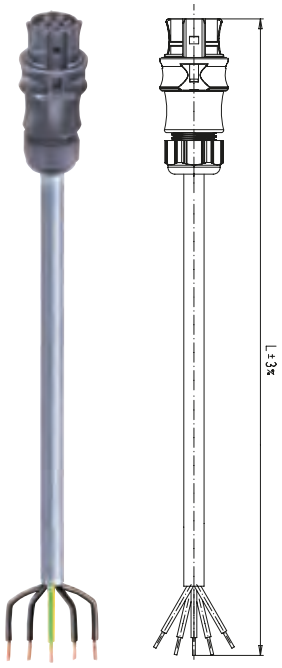
Connection cables female – male



250/400V
black

Cable	Length m	Part No.
Cable Ölflex Classic 110 containing halogen	1	96.453.1080.1
	2	96.453.2080.1
	3	96.453.3080.1
	4	96.453.4080.1
	5	96.453.5080.1
	6	96.453.6080.1
	7	96.453.7080.1
	8	96.453.8080.1

Connection cables female – free end



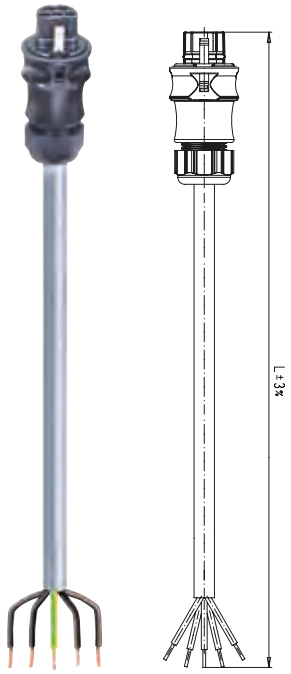
250/400V
black

Cable	Length m	Part No.
Cable Ölflex Classic 110 containing halogen	1	96.453.1083.1
	2	96.453.2083.1
	3	96.453.3083.1
	4	96.453.4083.1
	5	96.453.5083.1
	6	96.453.6083.1
	7	96.453.7083.1
	8	96.453.8083.1

Other cable lengths, other codings upon request

Cable assemblies
Cable 5 x 2.5 mm²; 20 A (Power 5-pole)

Connection cables male – free end



250/400V
black

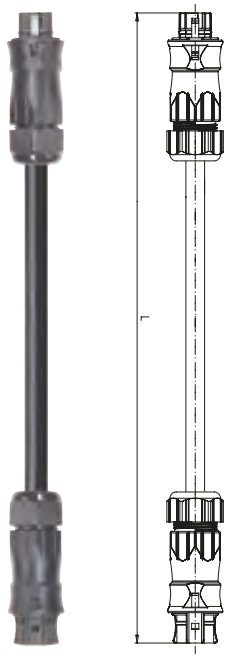
Cable	Length m	Part No.
Cable Ölflex Classic 110 containing halogen	1	96.453.1084.1
	2	96.453.2084.1
	3	96.453.3084.1
	4	96.453.4084.1
	5	96.453.5084.1
	6	96.453.6084.1
	7	96.453.7084.1
	8	96.453.8084.1

Cable assemblies
Cable 5 x 4.0 mm²; 20 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	with gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male



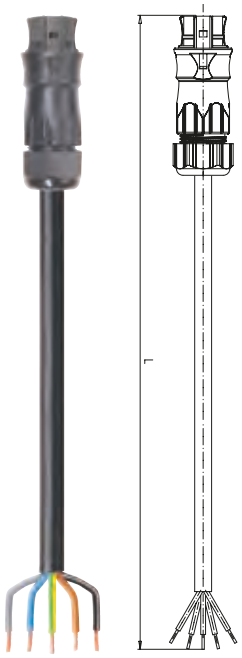
250/400V black

250V turquoise

Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.454.1000.1	96.454.1000.6
	2	96.454.2000.1	96.454.2000.6
	3	96.454.3000.1	96.454.3000.6
	4	96.454.4000.1	96.454.4000.6
	5	96.454.5000.1	96.454.5000.6
	6	96.454.6000.1	96.454.6000.6
	7	96.454.7000.1	96.454.7000.6
	8	96.454.8000.1	96.454.8000.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.454.1030.1	96.454.1030.6
	2	96.454.2030.1	96.454.2030.6
	3	96.454.3030.1	96.454.3030.6
	4	96.454.4030.1	96.454.4030.6
	5	96.454.5030.1	96.454.5030.6
	6	96.454.6030.1	96.454.6030.6
	7	96.454.7030.1	96.454.7030.6
	8	96.454.8030.1	96.454.8030.6

Connection cables female – free end



250/400V black

250V turquoise

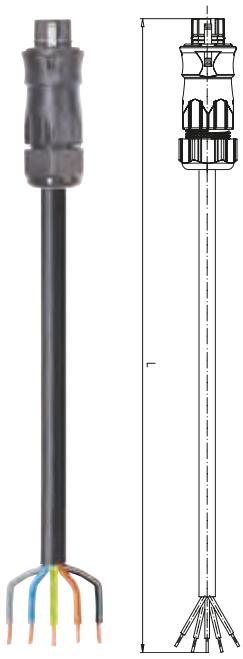
Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.454.1003.1	96.454.1003.6
	2	96.454.2003.1	96.454.2003.6
	3	96.454.3003.1	96.454.3003.6
	4	96.454.4003.1	96.454.4003.6
	5	96.454.5003.1	96.454.5003.6
	6	96.454.6003.1	96.454.6003.6
	7	96.454.7003.1	96.454.7003.6
	8	96.454.8003.1	96.454.8003.6

Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.454.1033.1	96.454.1033.6
	2	96.454.2033.1	96.454.2033.6
	3	96.454.3033.1	96.454.3033.6
	4	96.454.4033.1	96.454.4033.6
	5	96.454.5033.1	96.454.5033.6
	6	96.454.6033.1	96.454.6033.6
	7	96.454.7033.1	96.454.7033.6
	8	96.454.8033.1	96.454.8033.6

Other cable lengths, other codings upon request

Cable assemblies
Cable 5 x 4.0 mm²; 20 A

Connection cables male – free end



		250/400V black	250V turquoise
		⏚ = GN/YE N = BU 1 = BN 2 = BK 3 = GY	⏚ = GN/YE N = BU L = BN D1 = GY D2 = BK
Cable	Length m	Part No.	Part No.
PVC cable H05VV-F containing halogen	1	96.454.1004.1	96.454.1004.6
	2	96.454.2004.1	96.454.2004.6
	3	96.454.3004.1	96.454.3004.6
	4	96.454.4004.1	96.454.4004.6
	5	96.454.5004.1	96.454.5004.6
	6	96.454.6004.1	96.454.6004.6
	7	96.454.7004.1	96.454.7004.6
	8	96.454.8004.1	96.454.8004.6

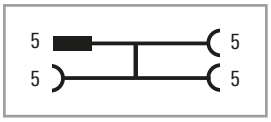
Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1	96.454.1034.1	96.454.1034.6
	2	96.454.2034.1	96.454.2034.6
	3	96.454.3034.1	96.454.3034.6
	4	96.454.4034.1	96.454.4034.6
	5	96.454.5034.1	96.454.5034.6
	6	96.454.6034.1	96.454.6034.6
	7	96.454.7034.1	96.454.7034.6
	8	96.454.8034.1	96.454.8034.6

Distribution units

RST compact distribution unit

Dimensions	104 x 162 x 57.2 mm	3 outputs routing 230/400V, 20 A	RST 20i5 Coding Color black
Pre-wired with	2.5 mm²	Mounting option	Yes

Circuit diagram



Color	Input	Outputs	Part No.
light grey	1	3	upon request
black	1	3	96.050.0153.1

RST multiple distribution unit

Dimensions	104 x 162 x 96 mm	Fitted as required with	M25 device connector 2- up to 5-pole
Pre-wired with	2.5 mm²	Fuse	6.3 or 10A can be integrated

Color	Input	Outputs	Part No.
black	1	7	upon request
black	1	5	96.050.2153.1

Detailed information about the distribution units available in section "Compact/Multiple distribution units"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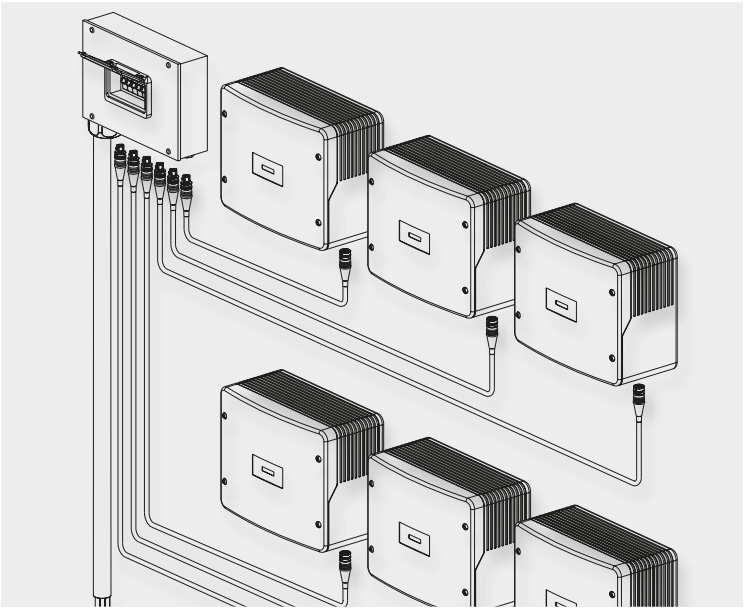
Solar applications up to 32 A for single-phase supply with three-phase power monitoring or three-phase supply

Application example



General

The system has been specially adapted to the requirements of solar technology.
The connectors can be loaded with max. 32 A and are used for single-phase supply with power monitoring or three-phase supply.
Special distribution boxes are used to bundle the electrical power of up to 6 inverters and thus complete the system.
These connectors have their own mechanical coding. This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

Features:

- Fast mounting through easy handling
- UV-resistant
- Rated current up to 32 A (at 6.0 mm²)
- Cross-sections up to 6 mm²
- Degree of protection IP66/68 (3m; 2h) /69

AC-SOLAR SYSTEM CONNECTOR

Coding

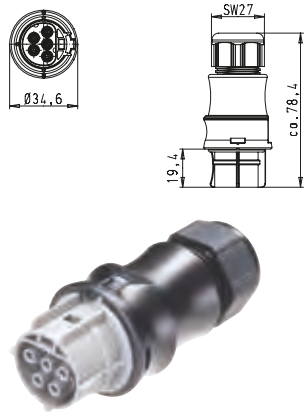
For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

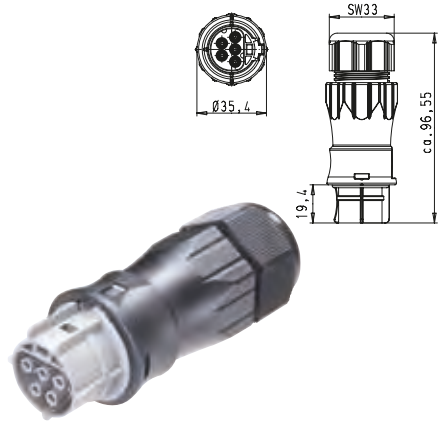
Application	250/400V
Mechanical coding	L, N, ⏚, 1, 2

Name	Description	Connection style	Strain relief housing	Connection points per pole	concrete gray
Connector	1 x cable entry	Screw	yes	1	✓
Distribution units	Distribution box RST RAN Solar				✓
	Distribution box RST Solar				✓
Device connectors	M25 device connector, Standard				✓
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled	✓
	Connection cable Female – Free end	pre-assembled	pre-assembled	pre-assembled	✓
	Extension cable Male – Female	pre-assembled	pre-assembled	pre-assembled	✓

Connectors, straight
for cables Ø 10 – 14 mm and 13 – 18 mm

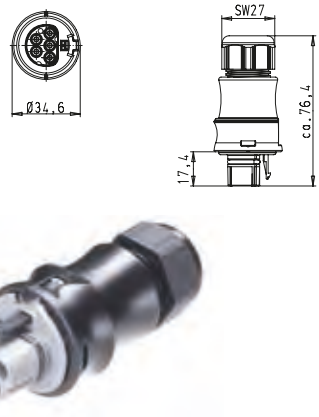
Female connector

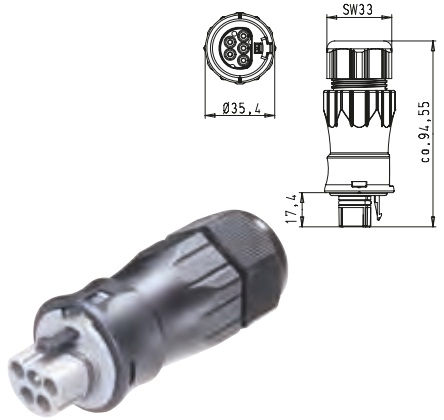




			with screw connection for cables Ø 10 –14 mm		with screw connection for cables Ø 13 –18 mm	
			Wire / mm²		Wire / mm²	
			solid / up to 4.0		solid / up to 4.0	
			fine-stranded / up to 4.0	without ferrules	fine-stranded / up to 6.0	without ferrules
Application	Coding	Color	Part No.	Cable Ø	Part No.	Cable Ø
250/400V	L, N, ⏚, 1, 2	concrete gray/ black	96.051.4154.3	4 mm²	96.051.4554.3	4 mm²
					99.575.0000.7	6 mm²

Male connector



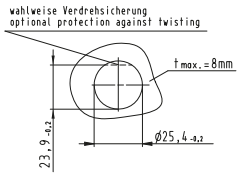


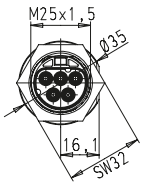
			with screw connection for cables Ø 10 –14 mm		with screw connection for cables Ø 13 –18 mm	
			Wire / mm²		Wire / mm²	
			solid / up to 4.0		solid / up to 4.0	
			fine-stranded / up to 4.0	without ferrules	fine-stranded / up to 6.0	without ferrules
Application	Coding	Color	Part No.	Cable Ø	Part No.	Cable Ø
250/400V	L, N, ⏚, 1, 2	concrete gray/ black	96.052.4154.3	4 mm²	96.052.4554.3	4 mm²
					99.576.0000.7	6 mm²

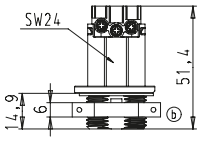
M25 device connector
straight, standard

Female connector
With sealing option

For spacer rings for unlocking the device connector, see Accessories.

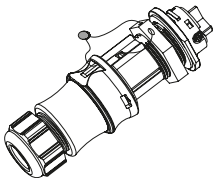






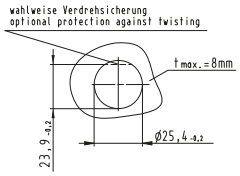
with screw connection

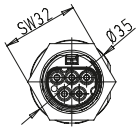
Wire	mm²	
solid	up to 4.0	
fine-stranded	up to 6.0	without ferrules

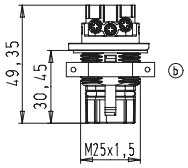


250/400V		L, N, ⏚, 1, 2	concrete gray/ black	96.051.5054.3 4 mm²
				99.577.0000.7 6 mm²

Male connector
With sealing option

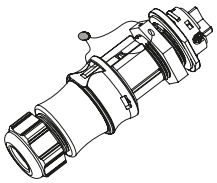






with screw connection

Wire	mm²	
solid	up to 4.0	
fine-stranded	up to 6.0	without ferrules



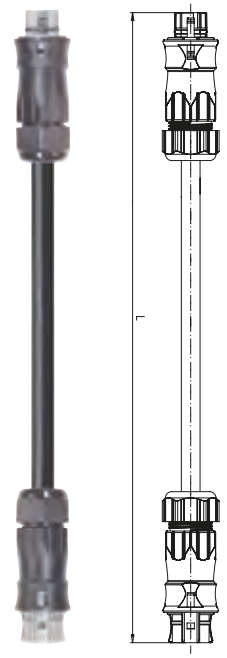
250/400V		L, N, ⏚, 1, 2	concrete gray/ black	96.052.5054.3 4 mm²
				99.578.0000.7 6 mm²

Cable assemblies
Cable 5 x 4.0 mm²; 25 A

Rated values		
Wire ends	(open cable end)	ultrason. welded
Sheath strip length	(open cable end)	35 mm
Wire strip length	(open cable end)	9 mm

Pull relief	with gland nut
Interlock	integrated
Color cable	black
Color handle shell	black

Connection cables female – male

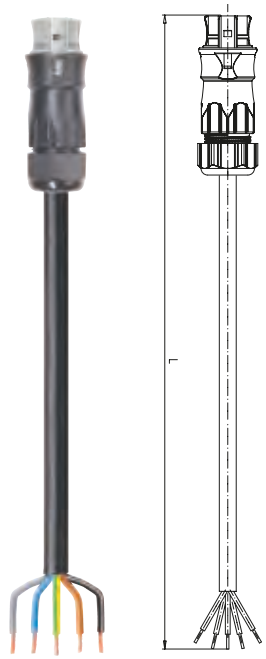


250/400V
concrete gray/black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.0	96.854.1000.3
	1.5	96.854.1500.3
	2.0	96.854.2000.3
	2.5	96.854.2500.3
	3.0	96.854.3000.3
	3.5	96.854.3500.3
	4.0	96.854.4000.3

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.0	96.854.1030.3
	1.5	96.854.1530.3
	2.0	96.854.2030.3
	2.5	96.854.2530.3
	3.0	96.854.3030.3
	3.5	96.854.3530.3
	4.0	96.854.4030.3

Connection cables female – free end



250/400V
concrete gray/black

Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.0	96.854.1003.3
	1.5	96.854.1503.3
	2.0	96.854.2003.3
	2.5	96.854.2503.3
	3.0	96.854.3003.3
	3.5	96.854.3503.3
	4.0	96.854.4003.3

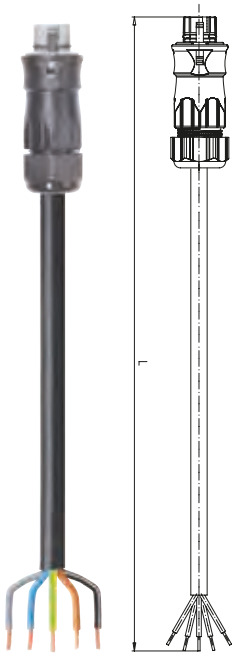
Cable diameter 14.3 mm ± 0.2
According to VDE 0281/T5 and VDE 0288/T4

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.0	96.854.1033.3
	1.5	96.854.1533.3
	2.0	96.854.2033.3
	2.5	96.854.2533.3
	3.0	96.854.3033.3
	3.5	96.854.3533.3
	4.0	96.854.4033.3

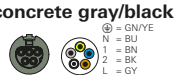
Cable diameter 17.0 mm ± 0.3
According to VDE 0281/T5 and VDE 0288/T4

Cable assemblies
Cable 5 x 4.0 mm²; 25 A

Connection cables male – free end



250/400V
concrete gray/black



Cable	Length m	Part No.
PVC cable H05VV-F containing halogen	1.0	96.854.1004.3
	1.5	96.854.1504.3
	2.0	96.854.2004.3
	2.5	96.854.2504.3
	3.0	96.854.3004.3
	3.5	96.854.3504.3
	4.0	96.854.4004.3

Cable diameter 14.3 mm ± 0.2
According to VDE 0281/T5 and VDE 0288/T4

Cable	Length m	Part No.
Rubber-sheathed cable H07RN-F containing halogen	1.0	96.854.1034.3
	1.5	96.854.1534.3
	2.0	96.854.2034.3
	2.5	96.854.2534.3
	3.0	96.854.3034.3
	3.5	96.854.3534.3
	4.0	96.854.4034.3

Cable diameter 17.0 mm ± 0.3
According to VDE 0281/T5 and VDE 0288/T4

internal WATER STOP

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YouTube

RST® CLASSIC

The new RST20i6 and i7

More poles for greater demands

Following the current trend, Wieland Electric continues to expand its ***RST®*** product range, presenting a 6- and 7-pole variant for the first time.

A total of three codings ensure both mechanical and color differentiation of the various circuits. To increase safety, a distinction is also drawn between applications with and without protective earth. The compact connectors with key data 250/400V; 600V UL/CSA, 20A, IP66/68 (3m; 2h)/69 offer high modularity and adaptability to the requirements of the application. Connectors are available in straight or angled versions, as well as for all common cable diameters. The range even includes connectors with 2 cable inputs for through-wiring. Both screw and crimp fittings are offered as the connection system.

As an interface to electrical devices, the system offers straight and angled adapters for all standard housing bores (for M16, M20, M25). All devices can therefore easily to converted to RST without changing tools.

Combination of one-phase systems (network) with signals and emergency light

Application example

General

Multi-functionality requires a higher number of poles.
The system components, rated for up to 20 A, can accommodate cables of up to a maximum 2.5 mm² and are available with screw or crimp fittings. The 6-pole variant is designed specifically for dimming emergency lights.

Different codings within the RST series allow a mechanical and visual separation from other circuits.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

Application	250/400V
Mechanical coding	L, N, ⏚, 1, 2, Ls 

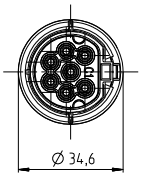
Name	Description	Connection system	Strain-relief housing	Connection points per pole	turquoise
Connector	1x cable guide	Screw Crimp	yes	1	✓
	2x cable guide	Screw Crimp fitting	yes	1	✓
Distributors	RST compact splitter/ multi-splitter				on request
	Individual distribution box				on request
Device connectors	Device connector M16, modular, straight			1	✓
	Device connector M16, modular, 7° angled			1	✓
	Device connector M25, standard			1	
	Device connector M25, modular, straight			1	✓
	Device connector M20, modular, straight			1	✓
	Device connector M20, modular, angled			1	✓
	Device connector M25, modular, angled			1	✓
Cable assemblies	Device connector cable Male – free end	pre-assembled	pre-assembled	pre-assembled	on request
	Connection cable Female – free end	pre-assembled	pre-assembled	pre-assembled	on request
	Extension cable Male – female	pre-assembled	pre-assembled	pre-assembled	on request

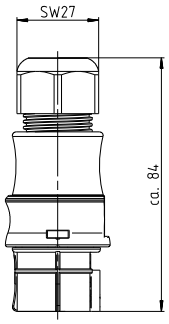
Connector, straight
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

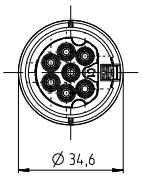
Cables	mm²
Fine stranded	0.75-2.5

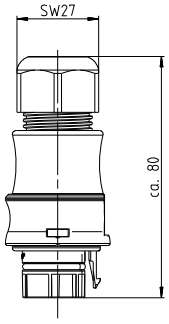
Application	Coding	Ø cable mm	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	6 - 10	turquoise	96.061.4053.6	9L.061.4053.6	96.161.0053.6	9L.161.0053.6
		10 - 14		96.061.4153.6	9L.061.4153.6	96.161.0153.6	9L.161.0153.6

Male connector

Unmounted with screwed cable gland and lock.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Ø cable mm	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	6 - 10	turquoise	96.062.4053.6	on request	96.162.0053.6	on request
		10 - 14		96.062.4153.6	on request	96.162.0153.6	on request

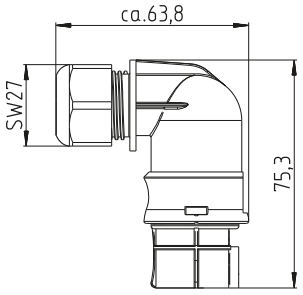
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Connector, angled 90°
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland, 90° angle.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



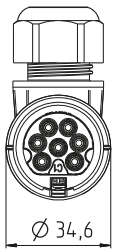
	With screw connection		With crimp connection	
Cables	mm²		mm²	
Rigid / Fine stranded / Stranded	0.2 - 2.5		Fine stranded	0.75-2.5
Cables with 2.5 mm² only without ferrules				

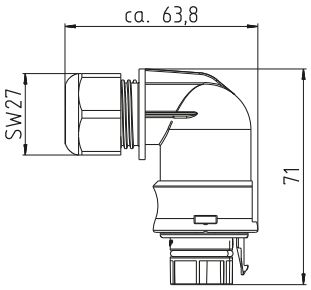
Application	Coding	Ø cable mm	Color	With screw connection: Part No. Without contact seal	With screw connection: Part No. With contact seal [1]	With crimp connection: Part No. Without contact seal	With crimp connection: Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	6 - 10	turquoise	96.063.4053.6	9L.063.4053.6	96.161.0053.6	9L.163.0053.6
		10 - 14		96.063.4153.6	9L.063.4153.6	96.163.0153.6	9L.163.0153.6

Male connector

Unmounted with screwed cable gland and lock.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





	With screw connection		With crimp connection	
Cables	mm²		mm²	
Rigid / Fine stranded / Stranded	0.2 - 2.5		Fine stranded	0.75-2.5
Cables with 2.5 mm² only without ferrules				

Application	Coding	Ø cable mm	Color	With screw connection: Part No. Without contact seal	With screw connection: Part No. With contact seal [1]	With crimp connection: Part No. Without contact seal	With crimp connection: Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	6 - 10	turquoise	96.064.4053.6	on request	96.164.0053.6	on request
		10 - 14		96.064.4153.6	on request	96.164.0153.6	on request

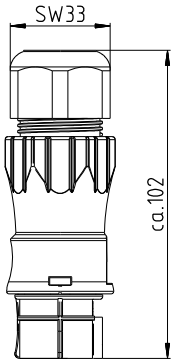
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Connector, straight
For cables Ø 13 - 18 mm

Female connector

Unmounted with screwed cable gland.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

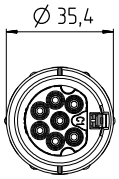
Cables	mm²
Fine stranded	0.75-2.5

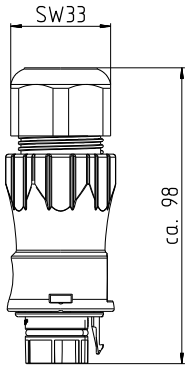
Application	Coding	Ø cable mm	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	13 - 18	turquoise	96.061.4553.6	9L.061.4553.6	96.161.0553.6	9L.161.0553.6

Male connector

Unmounted with screwed cable gland and lock.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Ø cable mm	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	13 - 18	turquoise	96.062.4553.6	on request	96.162.0553.6	on request

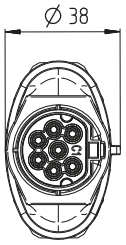
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

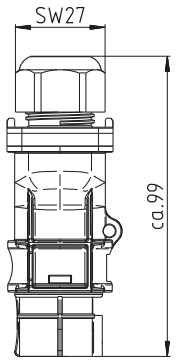
Connector with double connection, straight
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland.
With or without contact seal.

For stripping lengths, refer to Technical Specifications.



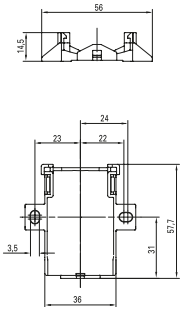


With screw connection

Cables	mm²
Rigid	0.2 - 1.5 (without ferrules)
Fine stranded	
Stranded	

Application	Coding	Ø cable mm	Color	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	6 - 10	turquoise	96.061.4253.6	on request
		10 - 14		96.061.4353.6	on request

Mounting plate for splitter connectors



Color	Part No.
light gray	01.006.1553.0
black	01.006.1553.1

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M25

straight, modular

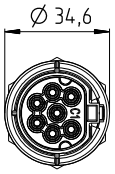
Female connector

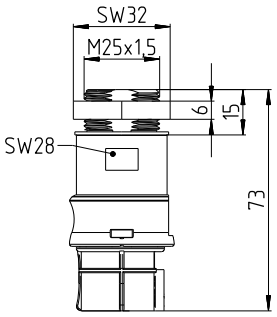
Position fixing guaranteed by flattening the thread. Screwed from inside.

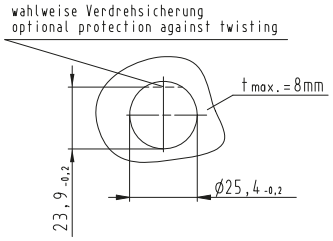
With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.







With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.061.6253.6	9L.061.6253.6	96.161.2253.6	9L.161.2253.6

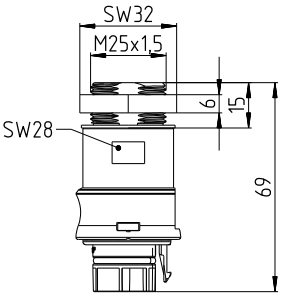
Male connector

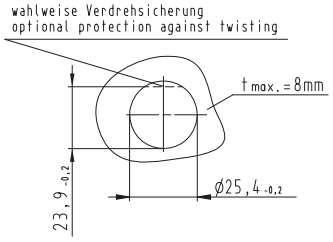
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.062.6253.6	9L.062.6253.6	96.162.2253.6	9L.162.2253.6

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M20
straight, modular

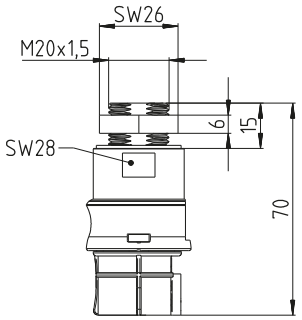
Female connector

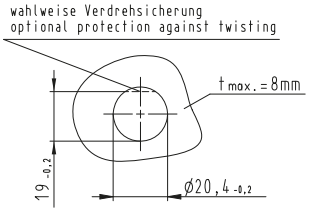
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Sstranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	 L, N, ⏚, 1, 2, Ls	turquoise	96.061.6053.6	9L.061.6053.6	96.161.2053.6	9L.161.2053.6

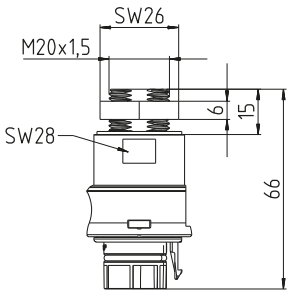
Male connector

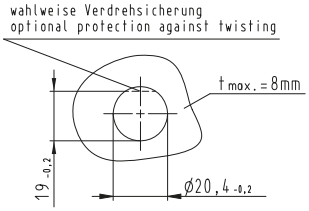
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	 L, N, ⏚, 1, 2, Ls	turquoise	96.062.6053.6	9L.062.6053.6	96.162.2053.6	9L.162.2053.6

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M16
straight, modular

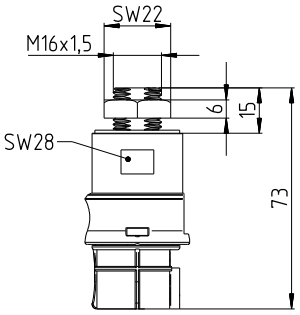
Female connector

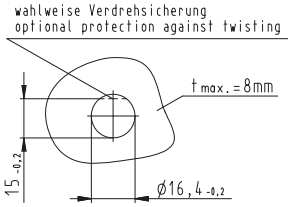
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	 L, N, ⏚, 1, 2, Ls	turquoise	96.061.6153.6	9L.061.6153.6	96.161.2153.6	9L.161.2153.6

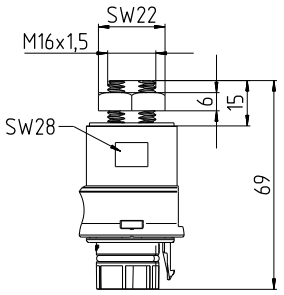
Male connector

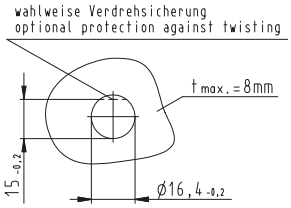
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	 L, N, ⏚, 1, 2, Ls	turquoise	96.062.6153.6	9L.062.6153.6	96.162.2153.6	9L.162.2253.6

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M16
angled 7°, modular

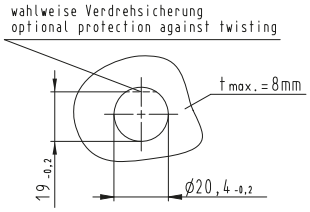
Female connector

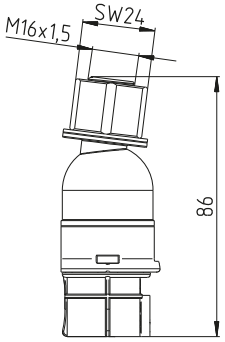
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.065.6153.6	Upon request	96.165.2153.6	Upon request

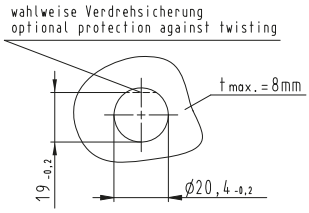
Male connector

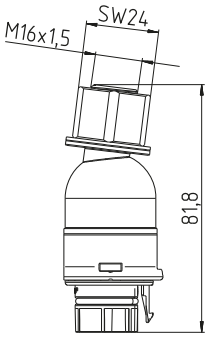
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.066.6153.6	Upon request	96.166.2153.6	Upon request

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M20
angled 90°, modular

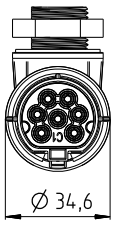
Female connector

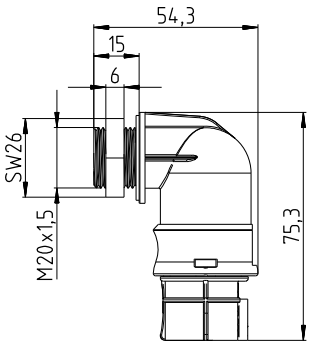
Position fixing guaranteed by flattening the thread. Screwed from inside.

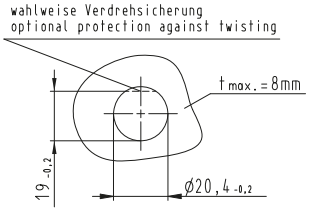
With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.







With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.063.6053.6	on request	96.163.2053.6	on request

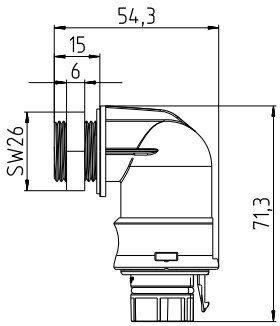
Male connector

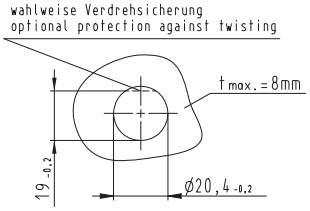
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.064.6053.6	on request	96.164.2053.6	on request

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M25
angled 90°, modular

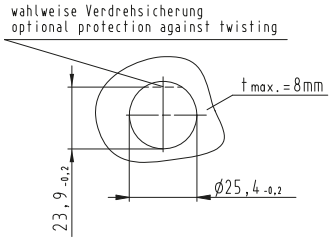
Female connector

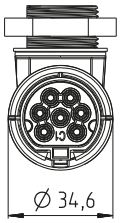
Position fixing guaranteed by flattening the thread. Screwed from inside.

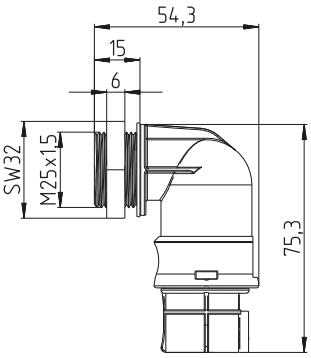
With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.







With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.063.6253.6	on request	96.163.2253.6	on request

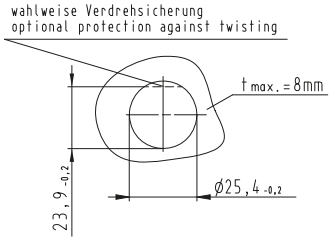
Male connector

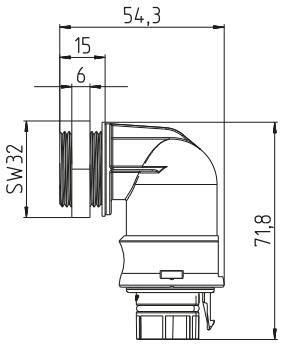
Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	With screw connection		With crimp connection	
			Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	L, N, ⏚, 1, 2, Ls	turquoise	96.064.6253.6	on request	96.164.2253.6	on request

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

internal WATER STOP

Also on our
You Tube channel

YouTube

RST® CLASSIC

Combination of multi-phase systems (network) with signals, protection class II

Application example

General

Multi-functionality requires a higher number of poles.
The system components, rated for up to 20 A, can accommodate cables of up to a maximum 2.5 mm² and are available with screw or crimp fittings. The 7-pole variants are available with a total of 3 codings.

Different codings within the RST series allow a mechanical and visual separation from other circuits.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

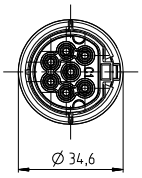
				Application	250/400V		250/400V	250/400V
				Mechanical coding	1, 2, 3, 4/N, 5, 6, ⏚		1, 2, 3, 4/N, 5, 6, 7	L, N, ⏚, 1, 2, 3, 4
Name	**Description**	**Connection system**	**Strain-relief housing**	**Connection points per pole**	light gray	black	light blue	turquoise
Connector	1x cable guide	Screw Crimp	yes	1	✓	✓	✓	✓
	2x cable guide	Screw Crimp	yes	1	✓	✓	✓	✓
Distributors	RST compact splitter/ multi-splitter							
	Individual distribution box				on request	on request	on request	on request
Device connectors	Device connector M16, modular, straight				✓	✓	✓	✓
	Device connector M16, modular, 7° angled				✓	✓	✓	✓
	Device connector M25, standard							
	Device connector M25, modular, straight				✓	✓	✓	✓
	Device connector M20, modular, straight				✓	✓	✓	✓
	Device connector M20, modular, angled				✓	✓	✓	✓
	Device connector M25, modular, angled				✓	✓	✓	✓
Cable assemblies	Device connector cable Male – free end	pre-assembled	pre-assembled	pre-assembled	on request	on request	on request	on request
	Connection cable Female – free end	pre-assembled	pre-assembled	pre-assembled	on request	on request	on request	on request
	Extension cable Male – female	pre-assembled	pre-assembled	pre-assembled	on request	on request	on request	on request

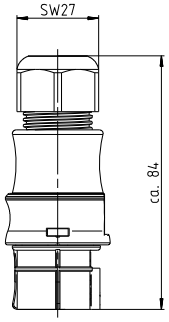
Connector, straight
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

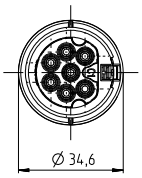
Cables	mm²
Fine stranded	0.75-2.5

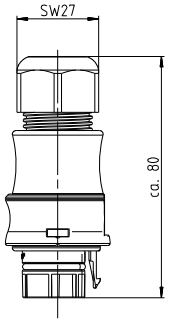
Application	Coding	Ø cable mm	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	6 – 10	light gray	96.071.4053.0	9L.071.4053.0	96.171.0053.0	9L.171.0053.0
			black	96.071.4053.1	9L.071.4053.1	96.171.0053.1	9L.171.0053.1
		10 – 14	light gray	96.071.4153.0	9L.071.4153.0	96.171.0153.0	9L.171.0153.0
			black	96.071.4153.1	9L.071.4153.1	96.171.0153.1	9L.171.0153.1
	1, 2, 3, 4/N, 5, 6, 7	6 – 10	light blue	96.071.4053.9	9L.071.4053.9	96.171.0053.9	9L.171.0053.9
		10-14		96.071.4153.9	9L.071.4153.9	96.171.0153.9	9L.171.0153.9
	L, N, ⏚, 1, 2, 3, 4	6 – 10	turquoise	96.071.4053.6	9L.071.4053.6	96.171.0053.6	9L.171.0053.6
		10-14		96.071.4153.6	9L.071.4153.6	96.171.0153.6	9L.171.0153.6

Male connector

Unmounted with screwed cable gland and lock.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Multi-stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Ø cable mm	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	6 – 10	light gray	96.072.4053.0	on request	96.172.0053.0	on request
			black	96.072.4053.1	on request	96.172.0053.1	on request
		10 – 14	light gray	96.072.4153.0	on request	96.172.0153.0	on request
			black	96.072.4153.1	on request	96.172.0153.1	on request
	1, 2, 3, 4/N, 5, 6, 7	6 – 10	light blue	96.072.4053.9	on request	96.172.0053.9	on request
		10-14		96.072.4153.9	on request	96.172.0153.9	on request
	L, N, ⏚, 1, 2, 3, 4	6 – 10	turquoise	96.072.4053.6	on request	96.172.0053.6	on request
		10-14		96.072.4153.6	on request	96.172.0153.6	on request

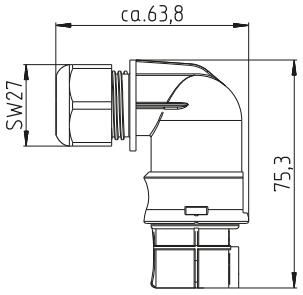
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Connector, straight
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland. 90° angle
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



	With screw connection	
Cables	mm²	
Rigid	0.2 - 2.5	
Fine stranded		
Multi-stranded		
Cables with 2.5 mm² only without ferrules		

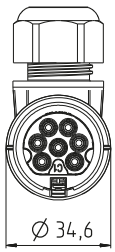
	With crimp connection	
Cables	mm²	
Fine stranded	0.75-2.5	

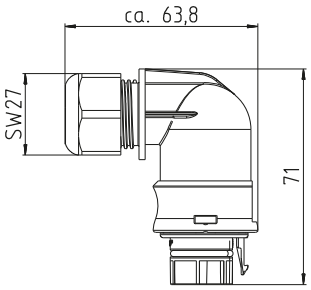
Application	Coding	Ø cable mm	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	6 – 10	light gray	96.073.4053.0	9L.073.4053.0	96.173.0053.0	9L.173.0053.0
			black	96.073.4053.1	9L.073.4053.1	96.173.0053.1	9L.173.0053.1
		10 – 14	light gray	96.073.4153.0	9L.073.4153.0	96.173.0153.0	9L.173.0153.0
			black	96.073.4153.1	9L.073.4153.1	96.173.0153.1	9L.173.0153.1
	1, 2, 3, 4/N, 5, 6, 7	6 – 10	light blue	96.073.4053.9	9L.073.4053.9	96.173.0053.9	9L.173.0053.9
		10-14		96.073.4153.9	9L.073.4153.9	96.173.0153.9	9L.173.0153.9
	L, N, ⏚, 1, 2, 3, 4	6 – 10	turquoise	96.073.4053.6	9L.073.4053.6	96.173.0053.6	9L.173.0053.6
		10-14		96.073.4153.6	9L.073.4153.6	96.173.0153.6	9L.173.0153.6

Male connector

Unmounted with screwed cable gland and lock.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





	With screw connection	
Cables	mm²	
Rigid	0.2 - 2.5	
Fine stranded		
Multi-stranded		
Cables with 2.5 mm² only without ferrules		

	With crimp connection	
Cables	mm²	
Fine stranded	0.75-2.5	

Application	Coding	Ø cable mm	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	6 – 10	light gray	96.074.4053.0	on request	96.174.0053.0	on request
			black	96.074.4053.1	on request	96.174.0053.1	on request
		10 – 14	light gray	96.074.4153.0	on request	96.174.0153.0	on request
			black	96.074.4153.1	on request	96.174.0153.1	on request
	1, 2, 3, 4/N, 5, 6, 7	6 – 10	light blue	96.074.4053.9	on request	96.174.0053.9	on request
		10-14		96.074.4153.9	on request	96.174.0153.9	on request
	L, N, ⏚, 1, 2, 3, 4	6 – 10	turquoise	96.074.4053.6	on request	96.174.0053.6	on request
		10-14		96.074.4153.6	on request	96.174.0153.6	on request

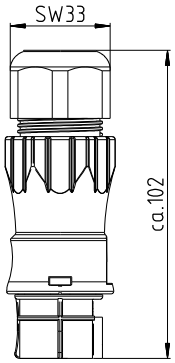
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Connector, straight
For cables Ø 13 - 18 mm

Female connector

Unmounted with screwed cable gland.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

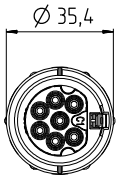
Cables	mm²
Fine stranded	0.75-2.5

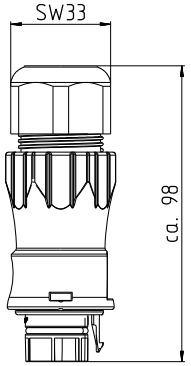
Application	Coding	Ø cable mm	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	13 – 18	light gray	96.071.4553.0	9L.071.4553.0	96.171.0553.0	9L.171.0553.0
			black	96.071.4553.1	9L.071.4553.0	96.171.0553.1	9L.171.0553.1
	1, 2, 3, 4/N, 5, 6, 7	13 – 18	light blue	96.071.4553.9	9L.071.4553.9	96.171.0553.9	9L.171.0553.9
	L, N, ⏚, 1, 2, 3, 4	13 – 18	turquoise	96.071.4553.6	9L.071.4553.6	96.171.0553.6	9L.171.0553.6

Male connector

Unmounted with screwed cable gland and lock.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection

Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection

Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Ø cable mm	Color	With screw connection Part No. Without contact seal	With screw connection Part No. With contact seal [1]	With crimp connection Part No. Without contact seal	With crimp connection Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	13 – 18	light gray	96.072.4553.0	on request	96.172.0553.0	on request
			black	96.072.4553.1	on request	96.172.0553.1	on request
	1, 2, 3, 4/N, 5, 6, 7	13 – 18	light blue	96.072.4553.9	on request	96.172.0553.9	on request
	L, N, ⏚, 1, 2, 3, 4	13 – 18	turquoise	96.072.4553.6	on request	96.172.0553.6	on request

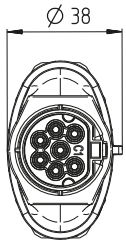
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

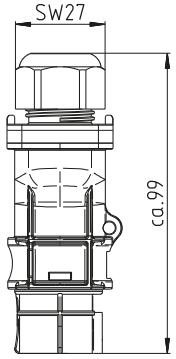
Connector with double connection, straight
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



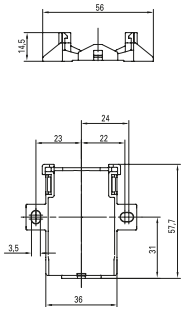


With screw connection

Cables	mm²
Rigid	0.2-1.5 (without ferrules)
Fine stranded	
Stranded	

Application	Coding	Ø cable mm	Color	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	6 – 10	light gray	96.071.4253.0	on request
			black	96.071.4253.1	on request
		10 – 14	light gray	96.071.4353.0	on request
			black	96.071.4353.1	on request
	1, 2, 3, 4/N, 5, 6, 7	6 – 10	light blue	96.071.4253.9	on request
		10-14		96.071.4353.9	on request
	L, N, ⏚, 1, 2, 3, 4	6 – 10	turquoise	96.071.4253.6	on request
		10-14		96.071.4353.6	on request

Mounting plate for splitter connectors



Color	Part No.
light gray	01.006.1553.0
black	01.006.1553.1

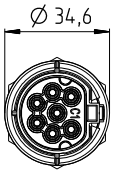
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

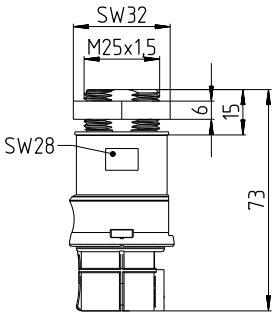
Device connector M25
straight, modular

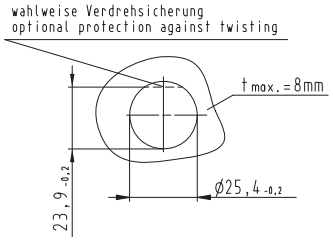
Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.







With screw connection	
Cables	mm²
Rigid Fine stranded Stranded	0.2 - 2.5
Cables with 2.5 mm² only without ferrules	

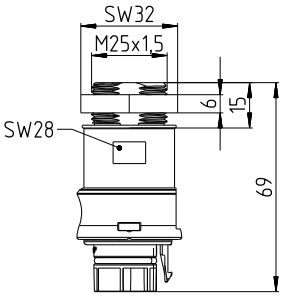
With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

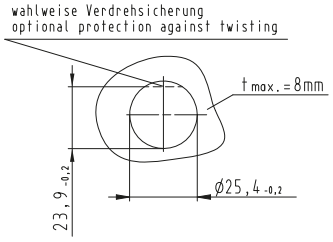
Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray black	96.071.6253.0 96.071.6253.1	9L.071.6253.0 9L.071.6253.1	96.171.2253.0 96.171.2253.1	9L.171.2253.0 9L.171.2253.1
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.071.6253.9	9L.071.6253.9	96.171.2253.9	9L.171.2253.9
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.071.6253.6	9L.071.6253.6	96.171.2253.6	9L.171.2253.6

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid Fine stranded Stranded	0.2 - 2.5
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray black	96.072.6253.0 96.072.6253.1	9L.072.6253.0 9L.072.6253.1	96.172.2253.0 96.172.2253.1	9L.172.2253.0 9L.172.2253.1
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.072.6253.9	9L.072.6253.9	96.172.2253.9	9L.172.2253.9
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.072.6253.6	9L.072.6253.6	96.172.2253.6	9L.172.2253.6

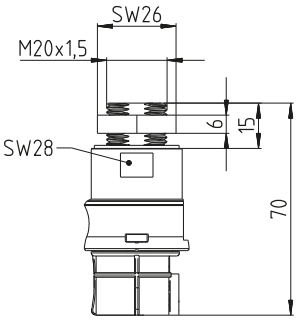
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

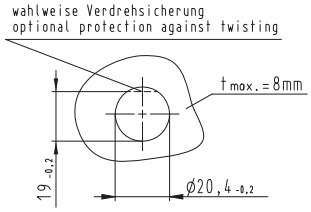
Device connector M20
straight, modular

Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

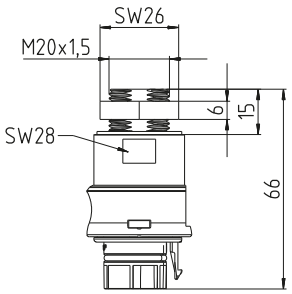
With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

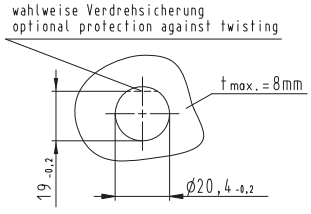
Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.071.6053.0	9L.071.6053.0	96.171.2053.0	9L.171.2053.0
		black	96.071.6053.1	9L.071.6053.1	96.171.2053.1	9L.171.2053.1
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.071.6053.9	9L.071.6053.9	96.171.2053.9	9L.171.2053.9
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.071.6053.6	9L.071.6053.6	96.171.2053.6	9L.171.2053.6

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.072.6053.0	9L.072.6053.0	96.172.2053.0	9L.172.2053.0
		black	96.072.6053.1	9L.072.6053.1	96.172.2053.1	9L.172.2053.1
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.072.6053.9	9L.072.6053.9	96.172.2053.9	9L.172.2053.9
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.072.6053.6	9L.072.6053.6	96.172.2053.6	9L.172.2053.6

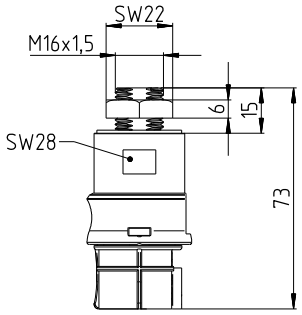
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

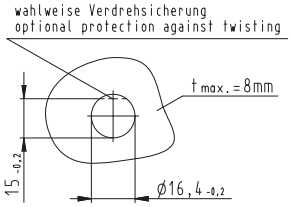
Device connector M16
straight, modular

Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

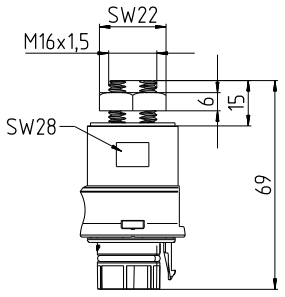
With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

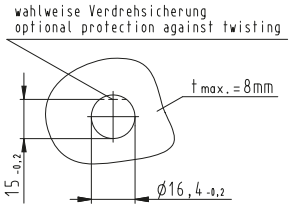
Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.071.6153.0	9L.071.6153.0	96.171.2153.0	9L.171.2153.0
		black	96.071.6153.1	9L.071.6153.1	96.171.2153.1	9L.171.2153.1
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.071.6153.9	9L.071.6153.9	96.171.2153.9	9L.171.2153.9
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.071.6153.6	9L.071.6153.6	96.171.2153.6	9L.171.2153.6

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.072.6153.0	9L.072.6153.0	96.172.2153.0	9L.172.2153.0
		black	96.072.6153.1	9L.072.6153.1	96.172.2153.1	9L.172.2153.1
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.072.6153.9	9L.072.6153.9	96.172.2153.9	9L.172.2153.9
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.072.6153.6	9L.072.6153.6	96.172.2153.6	9L.172.2153.6

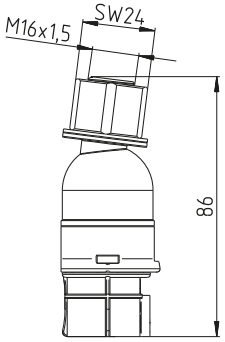
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

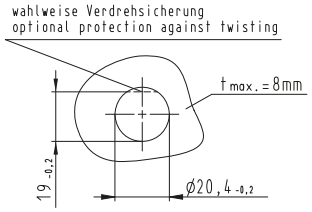
Device connector M16
angled 7°, modular

Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

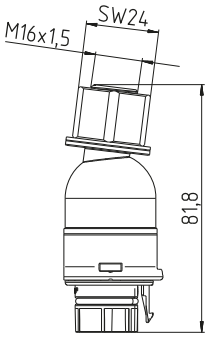
With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

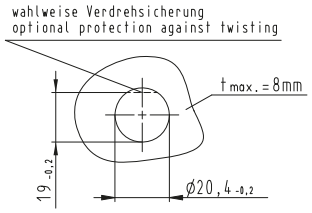
Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.075.6153.0	on request	96.175.2153.0	on request
		black	96.075.6153.1	on request	96.175.2153.1	on request
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.075.6153.9	on request	96.175.2153.9	on request
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.075.6153.6	on request	96.175.2153.6	on request

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No. Without contact seal	Part No. With contact seal [1]	Part No. Without contact seal	Part No. With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.076.6153.0	on request	96.176.2153.0	on request
		black	96.076.6153.1	on request	96.176.2153.1	on request
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.076.6153.9	on request	96.176.2153.9	on request
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.076.6153.6	on request	96.176.2153.6	on request

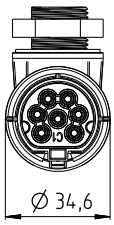
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

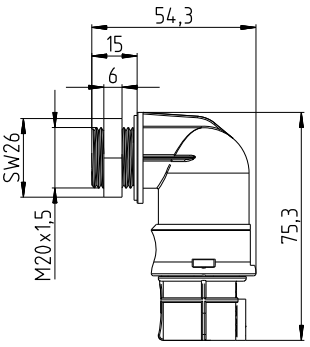
Device connector M20
angled 90°, modular

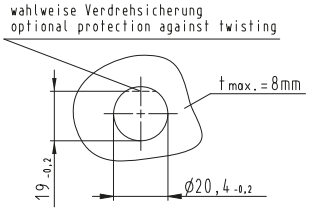
Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.







With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

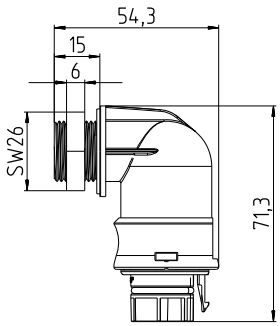
With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

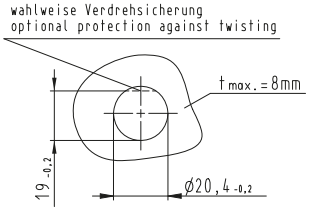
Application	Coding	Color	Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.073.6053.0	on request	96.173.2053.0	on request
		black	96.073.6053.1	on request	96.173.2053.1	on request
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.073.6053.9	on request	96.173.2053.9	on request
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.073.6053.6	on request	96.173.2053.6	on request

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





With screw connection	
Cables	mm²
Rigid	0.2 - 2.5
Fine stranded	
Stranded	
Cables with 2.5 mm² only without ferrules	

With crimp connection	
Cables	mm²
Fine stranded	0.75-2.5

Application	Coding	Color	Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.074.6053.0	on request	96.174.2053.0	on request
		black	96.074.6053.1	on request	96.174.2053.1	on request
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.074.6053.9	on request	96.174.2053.9	on request
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.074.6053.6	on request	96.174.2053.6	on request

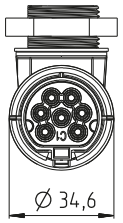
[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

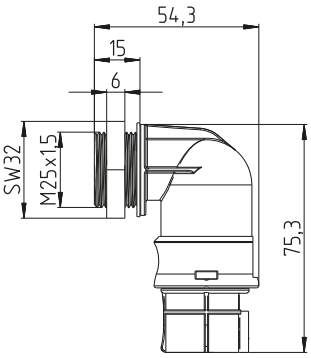
Device connector M25
angled 90°, modular

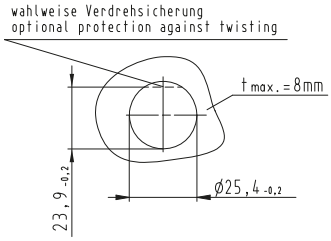
Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.







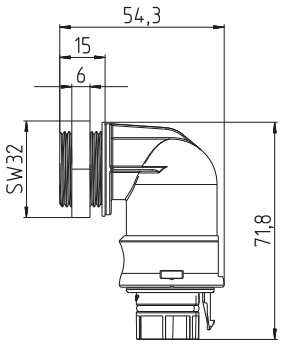
		With screw connection		With crimp connection	
Cables	mm²	Cables	mm²		
Rigid / Fine stranded / Stranded	0.2 - 2.5	Fine stranded	0.75-2.5		
Cables with 2.5 mm² only without ferrules					

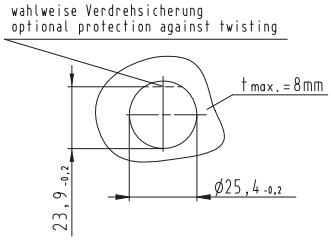
Application	Coding	Color	Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.073.6253.0	on request	96.173.2253.0	on request
		black	96.073.6253.1	on request	96.173.2253.1	on request
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.073.6253.9	on request	96.173.2253.9	on request
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.073.6253.6	on request	96.173.2253.6	on request

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.
With or without contact seal.
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





		With screw connection		With crimp connection	
Cables	mm²	Cables	mm²		
Rigid / Fine stranded / Stranded	0.2 - 2.5	Fine stranded	0.75-2.5		
Cables with 2.5 mm² only without ferrules					

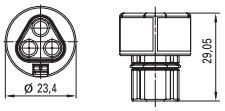
Application	Coding	Color	Part No.	Part No.	Part No.	Part No.
			Without contact seal	With contact seal [1]	Without contact seal	With contact seal [1]
250/400V	1, 2, 3, 4/N, 5, 6, ⏚	light gray	96.074.6253.0	on request	96.174.2253.0	on request
		black	96.074.6253.1	on request	96.174.2253.1	on request
	1, 2, 3, 4/N, 5, 6, 7	light blue	96.074.6253.9	on request	96.174.2253.9	on request
	L, N, ⏚, 1, 2, 3, 4	turquoise	96.074.6253.6	on request	96.174.2253.6	on request

[1] When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

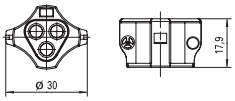
Cover pieces for 2-/3-pole

For the safe closure of female and male connectors.
With mounting strap for snapping onto plug connectors and device connectors

for female



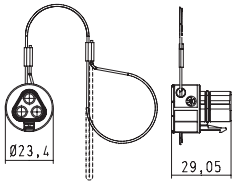
for male



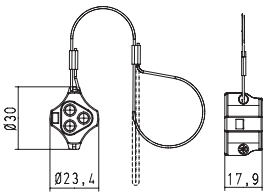
not captive against loss

Color	for female Part No.	for male Part No.
■ light gray	Z5.564.4553.0	05.564.4453.0
■ black	Z5.564.4553.1	05.564.4453.1

for female



for male



captive against loss

Color	for female Part No.	for male Part No.
■ light gray	99.413.6205.2	99.415.6205.2
■ black	99.414.6205.2	99.416.6205.2

Crimp contacts for 2-/3-pole

Female contacts

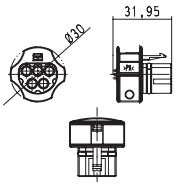
Male contacts

Name	Marking	(groove) mm²	Part No.
Female crimp contact	1	0.75 – 1.0	02.122.9000.0
Female crimp contact	unmarked	1.5	02.122.9100.0
Female crimp contact	1	2.5	02.122.9200.0
Female crimp contact	unmarked	4.0	02.122.9300.0
Male crimp contact	1	0.75 – 1.0	05.544.7800.0
Male crimp contact	unmarked	1.5	05.544.7900.0
Male crimp contact	1	2.5	05.544.8000.0
Male crimp contact	unmarked	4.0	05.545.4600.0

Cover pieces for 4-/5-pole

For the safe closure of female and male connectors.
With mounting strap for snapping onto plug connectors and device connectors

for female

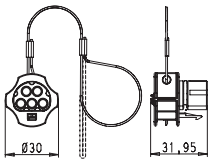


for male

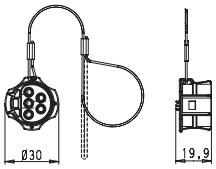
not captive against loss

Color	for female Part No.	for male Part No.
■ light gray	Z5.565.9853.0	05.565.9953.0
■ black	Z5.565.9853.1	05.565.9953.1

for female



for male



captive against loss

Color	for female Part No.	for male Part No.
■ light gray	99.529.0000.7	99.531.0000.7
■ black	99.530.0000.7	99.532.0000.7

Crimp contacts for 4-/5-pole

Female contact

Male contact

Name	Marking	(groove) mm²	Part No.
Female contact	None	0.75 – 1.0	02.125.5521.8
Female contact	1	1.5	02.125.5621.8
Female contact	2	2.5	02.125.5721.8
Female contact	3	4.0	02.125.5821.8
Male contact	None	0.75 – 1.0	05.545.0021.8
Male contact	1	1.5	05.545.0121.8
Male contact	2	2.5	05.545.0221.8
Male contact	3	4.0	05.545.0321.8

Cover pieces for 6-/7-pole

For the safe closure of female and male connectors.
With mounting strap for snapping onto plug connectors and device connectors

for female

for male

not captive against loss

Color	for female Part No.	for male Part No.
■ black	Z5.569.5253.1	Z5.569.5353.1

for female

for male

captive against loss

Color	for female Part No.	for male Part No.
■ black	99.589.0000.7	99.591.0000.7

Crimp contacts for 6-/7-pole

Female contact

Male contact

Name	Marking	(groove) mm²	Part No.
Female contact	None	0.75 – 1.0	02.127.1121.8
Female contact	1	1.5	02.127.1221.8
Female contact	2	2.5	02.127.1321.8
Male contact	None	0.75 – 1.0	05.546.3921.8
Male contact	1	1.5	05.546.4021.8
Male contact	2	2.5	05.546.4121.8

Crimping tool

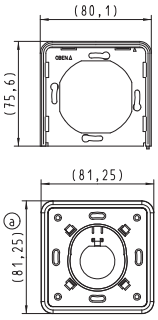
Name	Part No.
Crimping tool incl. system kit	95.101.0800.0
Crimping die B	05.502.2100.0
Contact positioner	05.502.3600.0

Unlocking tool
for crimp contacts

Name	Part No.
Unlocking tool	05.502.3500.0

Socket frame for device connectors M25 straight (female)

Protection rating:	IP 44
RST approval:	2PfG1915, EN61535
Entry:	2- up to 5-pole

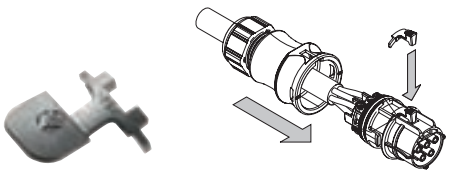


Color	Part No.
☐ white	99.400.9999.7

Manual disconnect tool

Retrofitting of plug connectors (female only)

Poles 2- up to 5-pole



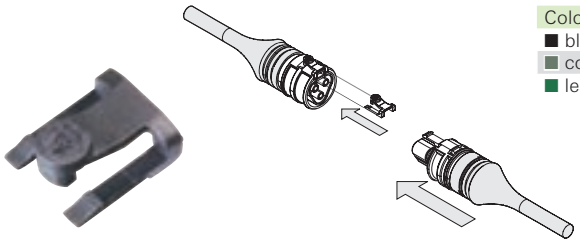
Color	Part No.
■ black	05.564.8653.1
■ concrete gray	05.564.8653.3
■ leaves green	05.564.8653.7

With the manual disconnect tool, only one button must be pressed to easily disconnect the connections.
Also see the Mounting Instructions!

Manual disconnect tool

Retrofitting of pre-assembled cables

Cable RST20i2, RST20i3
Model shrinkage tube



Color	Part No.
■ black	05.565.8653.1
■ concrete gray	05.565.8653.3
■ leaves green	05.565.8653.7

With the manual disconnect tool, only one button must be pressed to easily disconnect the connections.
Also see the Mounting Instructions!

Manual disconnect tool for 6-/7-pole

Name	Part No.
Manual disconnect tool	06.562.8753.0

Locking slide - Safety Clip

for replacement need, delivery quantity 100 pieces

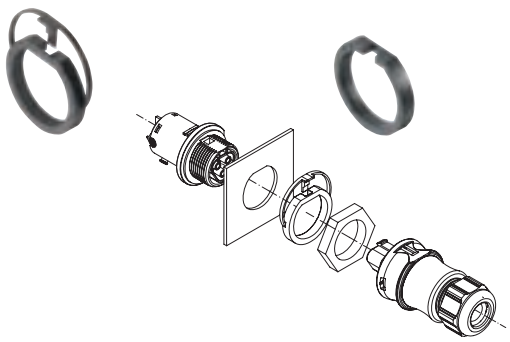
Color	Part No.
■ black	05.583.2900.1
■ concrete gray	05.583.2900.3

Note: The locking devices are integrated in the according plug parts at the factory. They click audibly when plugged in, confirming the safe connection. They are by default loosened with a screw driver or with the manual disconnect facility (can be ordered separately). In case of excessive tension on the connection these will loosen, however, to prevent hazards by wires pulled out of the contacts. This safety mechanism will lead to wear or destroy the slider, which should be replaced after having been activated several times.

Spacer ring for device connector M25, female connector 2- up to 5-pole

for replacement need

Manually actuated Screwdriver actuated



Color	**manually actuated** Part No.	**with screwdriver** Part No.
■ light gray	05.568.8853.0	05.566.5253.0
■ black	05.568.8853.1	05.566.5253.1

A spacer ring makes it possible to unlock a connection at the device connector (female).

Ferrule crimping tool
for termination points with spring clamp technology

Cable end sleeves	0.08 – 6.0 mm², AWG 28 – 10
Total length	174 mm
Square compression; releasable latch; compression adjustable	

Name	Part No.
Ferrule crimping tool	95.101.1300.0

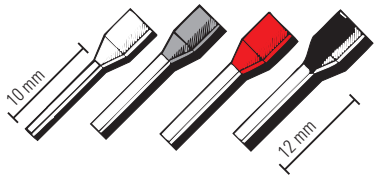
Cable end sleeves

for RST 20i3 spring clamp connectors

Materials

Sleeve	Polypropylene
Temperature resistance	up to 105 °C, tracking resistant
Tube	E-Cu, galvanically tin-plated

Insulating sleeve	Yes
for wires	
0.50 mm²	DIN 46228-E0,5-10
0.75 mm²	DIN 46228-E0,75-12
1.00 mm²	DIN 46228-E1,0-12
1.50 mm²	DIN 46228-E1,5-12



Name	mm²	Color	Part No.
Cable end sleeves	0.50	white	06.600.3827.0
Cable end sleeves	0.75	gray	06.600.3727.0
Cable end sleeves	1.00	red	06.600.3627.0
Cable end sleeves	1.50	black	06.600.3927.0

Screwdriver according to DIN 5264

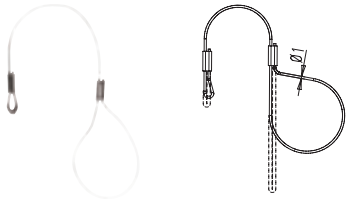
for RST spring clamp connections

Blade 0.4 –2.5 mm

Name	Part No.
Screwdriver	06.502.4300.0

Fastening cord

for cover pieces 2-/3-pole & 4-/5-polig



Color	Part No.
light gray	99.000.9950.6

Sample kit RST 20i3
getting to know

Contents:
- Connector
- Device connector
- Cover pieces

Name	Part No.
Sample set RST 20i3	99.429.0000.0

Sample kit RST 20i5
getting to know

Contents:
- Connector
- Device connector
- Cover pieces

Name	Part No.
Sample kit RST 20i5	99.430.0000.0

Sample kit RST 20i7
getting to know

Contents:
- Connector
- Device connector
- Cover pieces

Name	Part No.
Sample kit RST 20i7	99.696.0000.0

Sample kit RST 20i2...i7
getting to know

Contents:
- Connectors, including all codings
- Device connectors
- Pre-assembled cables
- Distributors
- Cover pieces

Name	Part No.
Sample set RST 20i2...i7 complete kit	99.431.0000.0

Sample set RST 20i3
getting to know

Contents:
1x X6.030.0153.1
1x X6.031.1053.0
1x X6.031.1053.1
1x X6.032.1053.0
1x X6.032.1053.1

Name	Part No.
ATEX , IECEx RST20i3	99.663.0000.0

Sample set RST 20i5
getting to know

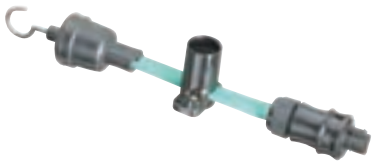
Contents:
1x X6.051.4153.0
1x X6.052.4153.0
1x X6.051.5053.1
1x X6.052.5053.0

Name	Part No.
ATEX RST20i5	99.664.0000.0

Sample illumination cable
getting to know

Contents:
– Connector RST 20i2, pre-assembled with illumination cable
– Lamp base and end piece (no lamp)

The illumination cable is not a standard Wieland product.



Name	Part No.
Sample illumination cable	99.490.0000.0

Technical data *RST*® CLASSIC

	RST 20i2/i3	RST 25i3	RST 20i4/i5	RST 25i5	RST 20i6/i7
Rated voltage	250/400 V	250 V	250/400 V	250/400 V	250/400 V
Rated current	20 A	25 A 32 A (with 6.0 mm²)	20 A	25 A 32 A (with 6.0 mm²)	20 A (3 x 20 A; 4 x 5 A) no defining of poles
Number of poles	2- or 3-poles	3-poles	4- or 5-poles	5-poles	6- or 7-poles

Operating temperature:
-40° C to +100° C
H05VV cable max 70 °C, H07RN-F max. 60 °C, H07 RN-F enhanced 90 °C

Material:
Contact parts: brass, surface-treated
Housing parts: polyamide, halogen-free, V2
Sealing material: NBR

Regulations:
IEC 61535 (VDE 0606); DIN EN 61984 (VDE 0627); VDE 0110
IEC 60999: UL 2238; CSA: C22.2 No.182.2-M1987;
LR Type Approval System
2 PfG 1915

Pollution severity:
3 (when connected)

Plugging cycles:
100x without load and 50x under nominal load (cos φ = 0.6) as per IEC 61535
RST20i2/3 / RST25i3 provide up to 5,000 plugging cycles and RST20i4/5 / RST25i5 up to 3,000 plugging cycles without load. After approx. 600 plugging cycles, however, the sealing should be checked and, if required, re-lubricated with a suitable lubricant (e.g. Berulub FR 43 UV).

Approvals:
VDE; TÜV Rheinland; LR; GL; DNV; RINA; BV; ATEX; IECEx; cULus; CSA**; UL*
(observe conditions of acceptability)
* without cable assembles in shrinkage tube technology and connectors with spring clamp technology
** without cable assembles in shrinkage tube technology
You can find the direct assignment of approvals and part numbers in the internet in the eShop under http://eshop.wieland-electric.com, or consult us.

Degree of protection:
IP66/68 (3m; 2h)/69, barrier seal optional at RST20i6/7
Pre-assembled cable as a shrink hose variant IP66/ 68 (3m; 2h)
The installation instructions must be observed (see page with installation instructions)

IK code:
IK 07 (2 Joule)

Glow-wire test:
RST20i2-i5/RST25i3/i5: with 850° C, 30 s
RST20i6/i7: with 960° C, 30 s
for connectors, distribution units, cable assemblies and device connectors

Coding:
Mechanical coding symbolized by color code. Color gray and black with the same mechanical coding. Other codings are optional.

Note:
Protection against shock generally guaranteed even when disconnected. Ground conductor leading. Connection to the live cable must be with a female connector according to the regulations.
It is therefore not possible to have a ring circuit arrangement.
Only pluggable in the correct pole configuration; 1 pole cannot be connected.
Contacts protected against strain on the cable. All components can be interlocked.

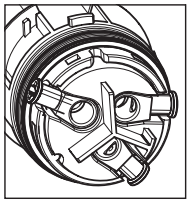
A locking device is required for IEC 6153 approval.
DIN VDE 0606 T200 conformity does not automatically exclude the danger of confusion with third-party installation plug connector systems! Installation plug connector systems are no substitute for national plug/outlet systems for domestic use.
IEC 60364-5-52 must be observed – see note under "Electrical installations with increased degree of protection".

Wire preparation
Sheath stripping and insulation removal lengths

RST 2- /3-pole

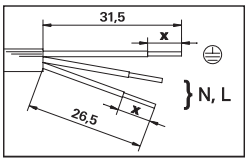
all lengths indicated in mm

Screw connection:

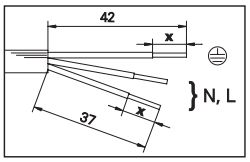


Screwdriver
PZ1
Rated torque:
0.8 – 1.0 Nm

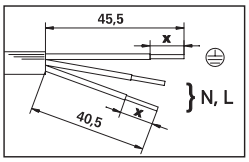
Connector
6 – 10 mm
10 – 14 mm



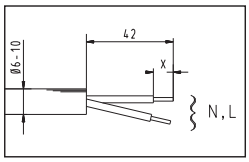
Connector
13 – 18 mm



Splitter connector, 3-pole
max. 2 x 2.5 mm²!



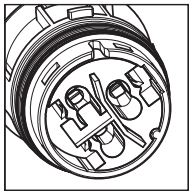
Splitter connector, 2-pole
max. 2 x 2.5 mm²!



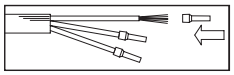
Insulation strip length X =

Conductor cross-section	0.75 mm²	1.0 mm²	1.5 mm²	2.5 mm²	4.0 mm²	6.0 mm²	AWG 12–18
solid	8	8	8	8	8	8	–
fine-stranded	8	8	8	8	8	8	–
stranded	8	8	8	8	8	8	8
ultrasonically compressed	8	8	8	8	8	8	–

Spring clamp connection:

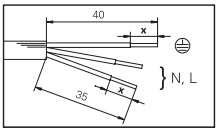


Fine-stranded and stranded wires

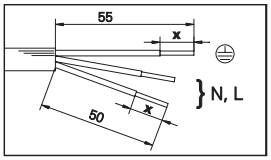


Ferrules required

Connector



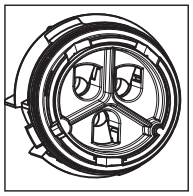
Splitter connector



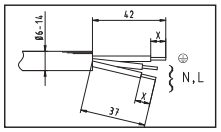
Insulation strip length X =

Conductor cross-section	0.5 mm²	0.75 mm²	1.0 mm²	1.5 mm²	2.5 mm²
solid	14.5 + 1	14.5 + 1	14.5 + 1	14.5 + 1	14.5 + 1
fine-stranded	12.0 + 1	13.0 + 1	13.0 + 1	13.0 + 1	
Ferrules according to DIN	46228-E0.5-10	46228-E0.75-12	46228-E1.0-12	46228-E1.5-12	
stranded		13.0 + 1	13.0 + 1	13.0 + 1	
Ferrules according to DIN		46228-E0.75-12	46228-E1.0-12	46228-E1.5-12	
ultrasonically compressed				14.5 + 1	14.5 + 1

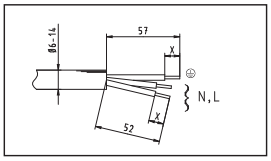
Crimp connection:



Connector 6 – 10 mm, 10 – 14 mm



Connector 13 –18 mm



Insulation strip length X =

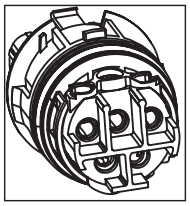
Conductor cross-section	0,75 mm²	1,0 mm²	1,5 mm²	2,5 mm²	4,0 mm²
fine-stranded	8.0 + 1	8.0 + 1	8.0 + 1	8.0 + 1	8.0 + 1

Wire preparation
Sheath stripping and insulation removal lengths

RST 4 /5-pole

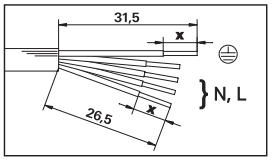
all lengths indicated in mm

Screw connection:

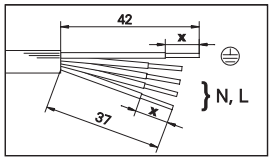


Screwdriver
PZ1
Rated torque:
0.5 – 0.7 Nm

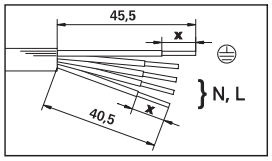
Connector
6 – 10 mm
10 – 14 mm



Connector
13 – 18 mm



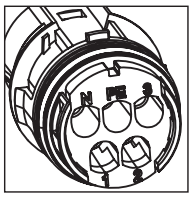
Splitter connector
max. 2 x 1.5 mm²!



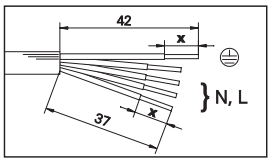
Insulation strip lengthh X =

Conductor cross-section	0.75 mm²	1.0 mm²	1.5 mm²	2.5 mm²	4.0 mm²	6.0 mm²	AWG 12–18
solid	8	8	8	8	8	8	–
fine-stranded	8	8	8	8	8	8	–
stranded	8	8	8	8	8	8	8
ultrasonically compressed	8	8	8	8	8	8	–

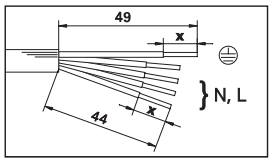
Crimp connection:



Connector
6 – 10 mm
10 – 14 mm



Connector
13 – 18 mm



Insulation strip length X =

Conductor cross-section	0,75 mm²	1,0 mm²	1,5 mm²	2,5 mm²	4,0 mm²
fine-stranded	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1

Wire preparation
Sheath stripping and insulation removal lengths

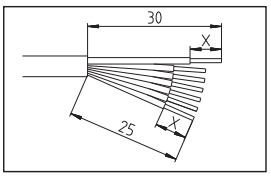
RST 6 /7-pole

all lengths indicated in mm

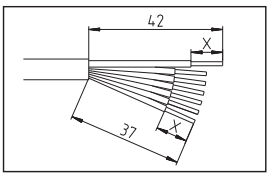
Screw connection:

Screwdriver
PZ1
Rated torque:
0.5 – 0.7 Nm

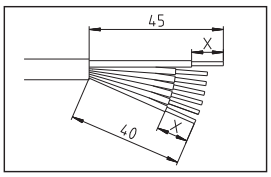
Connector
6 – 10 mm
10 – 14 mm



Connector
13 – 18 mm



Splitter connector
max. 2 x 1.5 mm²!

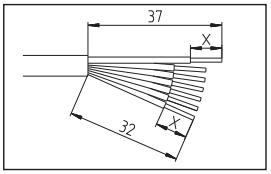


Insulation strip lengthh X =

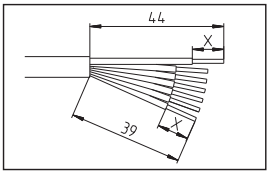
Conductor cross-section	0.2 mm²	0.5 mm²	0.75 mm²	1.0 mm²	1.5 mm²	2.5 mm²	AWG 14–20
solid	8 *	8 *	8 *	8 *	8 *	8 **	8 *
fine-stranded	8 *	8 *	8 *	8 *	8 *	8 **	8 **

Crimp connection:

Connector
6 – 10 mm
10 – 14 mm



Connector
13 – 18 mm



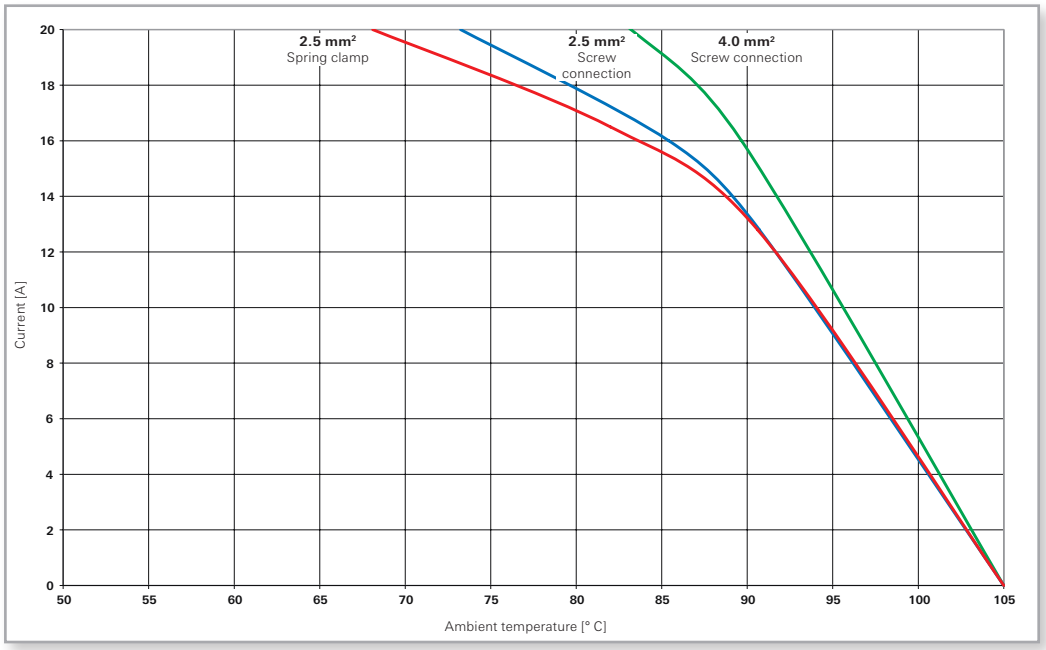
Insulation strip length X =

Conductor cross-section	0,75 mm²	1,0 mm²	1,5 mm²	2,5 mm²	4,0 mm²	AWG 14-20
fine-stranded	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1	7.0 + 1	

Derating curves

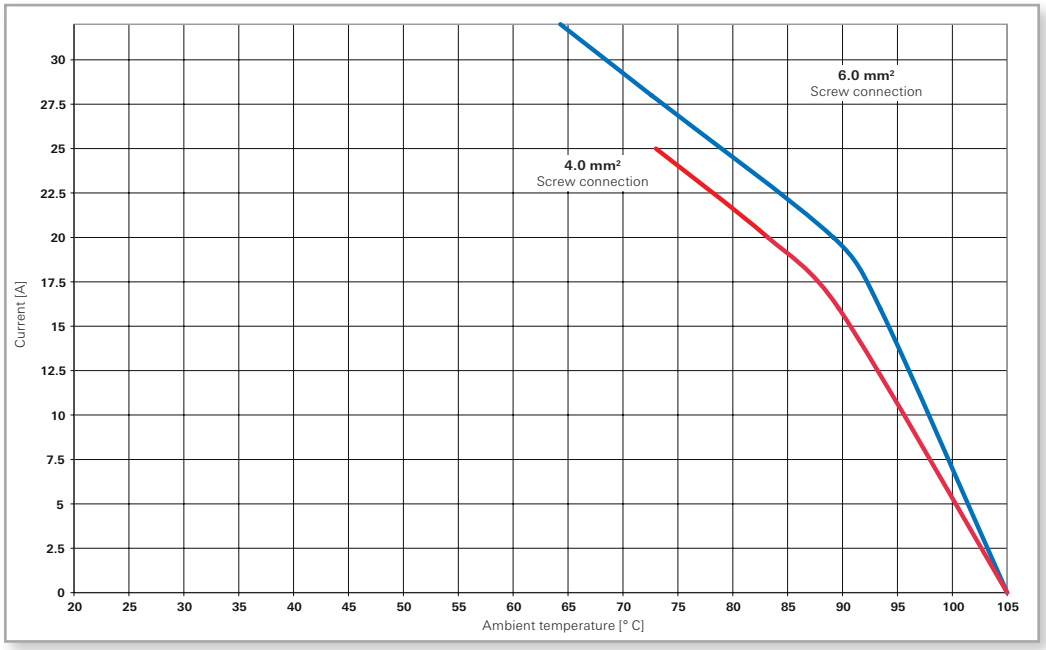
RST 20i3

Screw connection – spring clamp connection
Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



RST 25i3

Screw connection
Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8

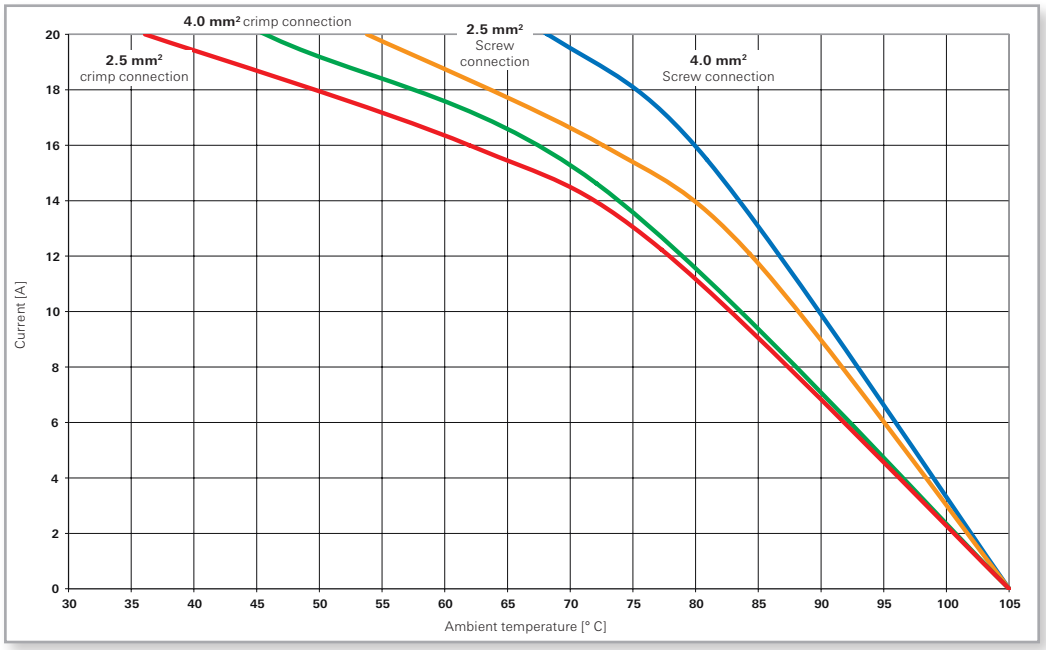


Derating curves

RST 20i5

Screw connection – crimp connection

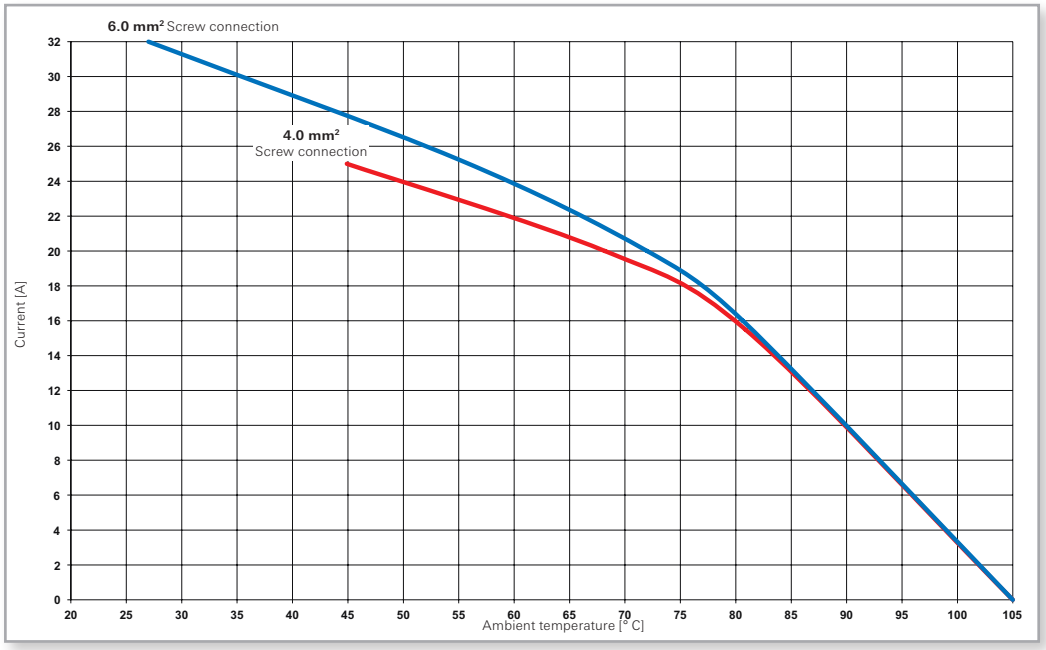
Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



RST 25i5

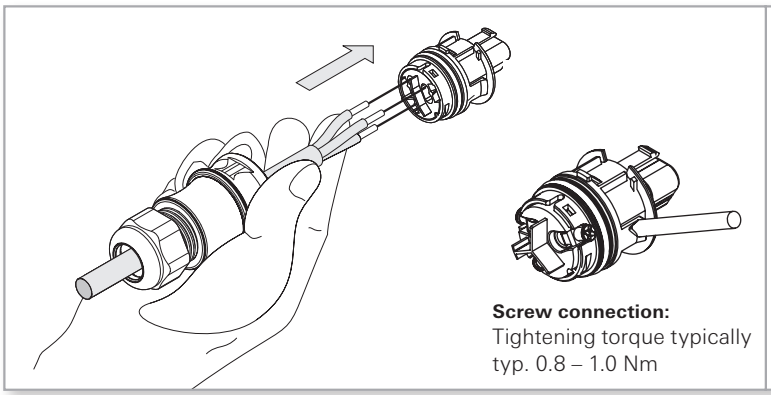
Screw connection

Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



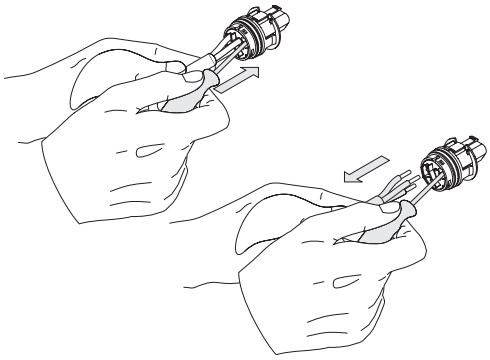
Connectors 2- and 3-pole

Connect the wires (screw connection) ...

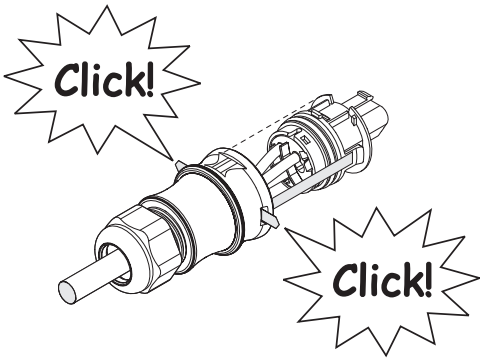


Screw connection:
Tightening torque typically
typ. 0.8 – 1.0 Nm

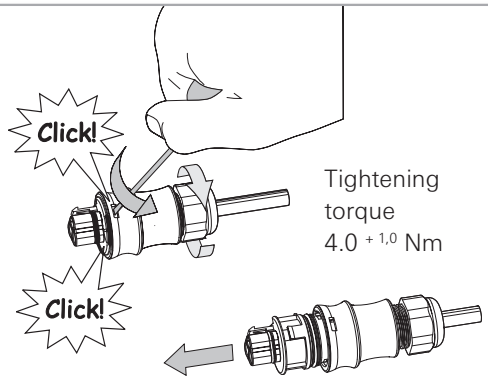
... and disconnect them (crimp connection)



Close the connector ...

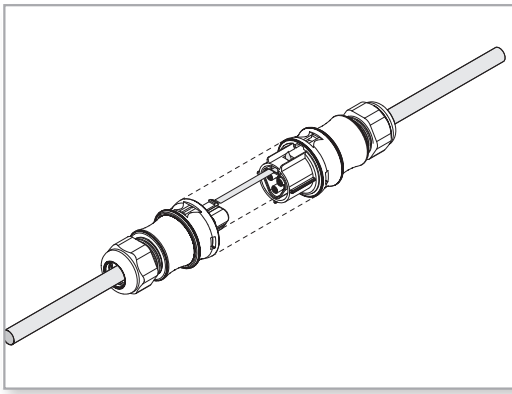


... and open it

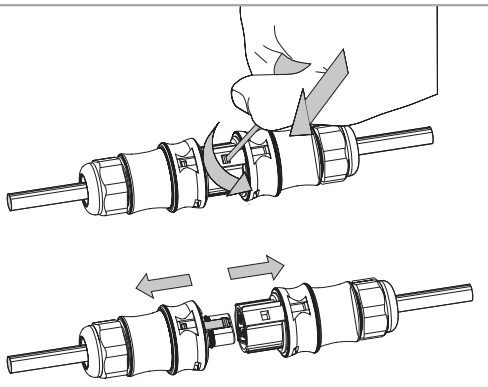


Tightening
torque
4.0 $^{+1,0}$ Nm

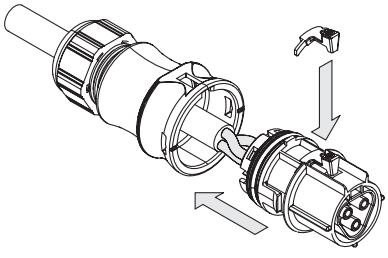
Lock the housing ...



... and unlock it



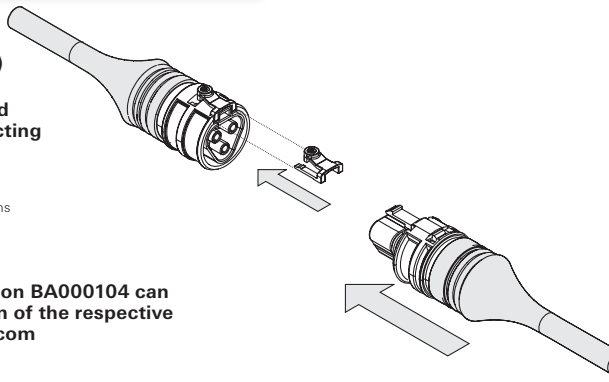
How to insert the (optional) manual disconnect tool into the connector
(only possible for the female connector)



The manual disconnect tool can be used as an alternative and enables disconnecting without a tool.

The descriptions on this page merely serve as an overview.
For assembly and installation, only the installation instructions supplied together with the products are binding

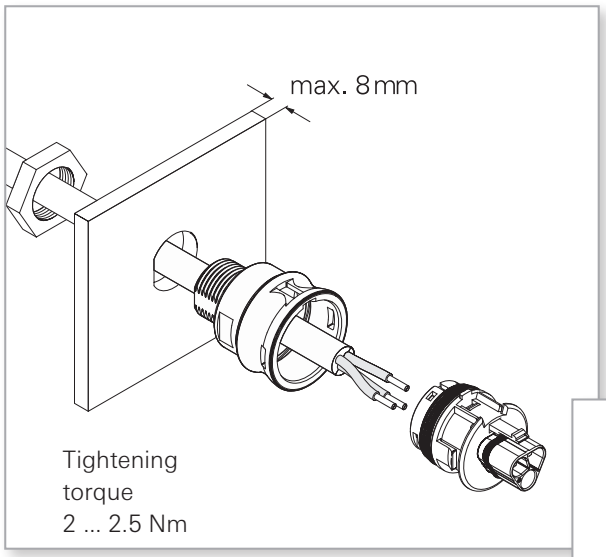
The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: eshop.wieland-electric.com

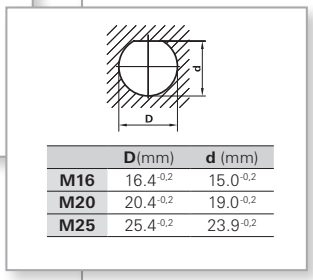


Device connections 2- and 3-pole

Installation of a standard system,
for M16 and M20 feed-through

Dimensions in mm

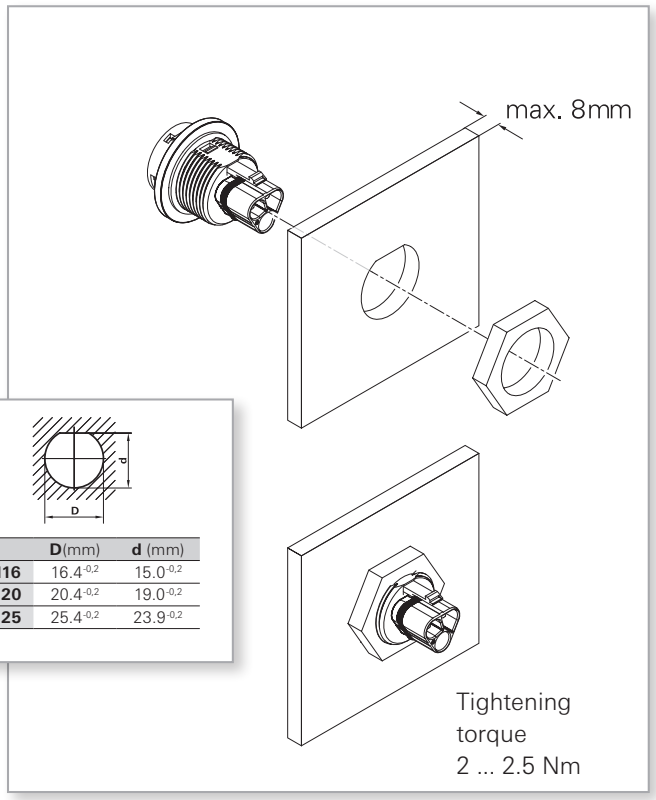




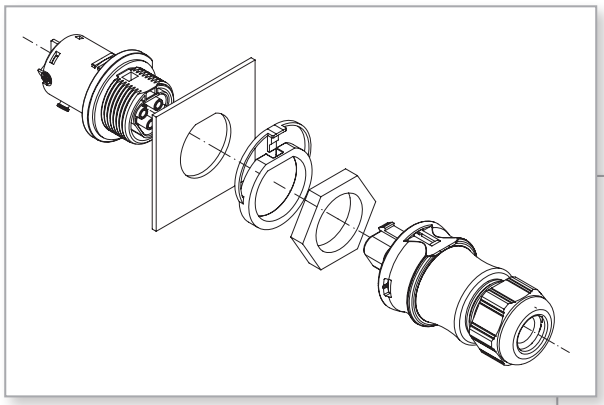
	D(mm)	d (mm)
M16	$16.4^{-0,2}$	$15.0^{-0,2}$
M20	$20.4^{-0,2}$	$19.0^{-0,2}$
M25	$25.4^{-0,2}$	$23.9^{-0,2}$

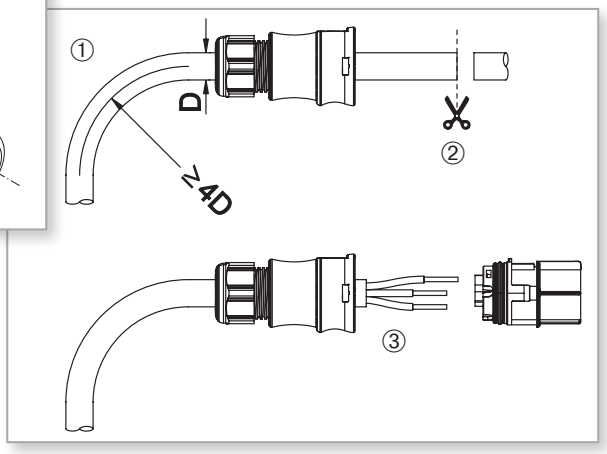
Installation of a standard system,
for M25 feed-through

Dimensions in mm



Note:
Effectiveness of the protection against twisting can only be guaranteed when the lower tolerance limit is ensured for the diameter of the hole.





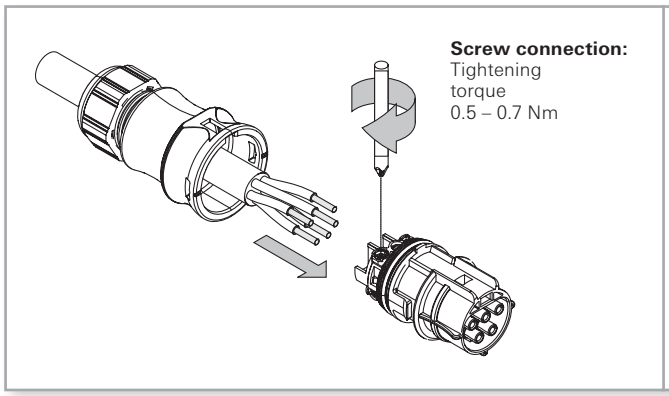
Bending radius (for conductors)
Note the minimum bending radius for conductors > 2.5 mm². Pull forces on the contact points can be avoided by proceeding as follows::

Bend the wire as required
Cut the wire to length ②
Strip the cable and wires ③

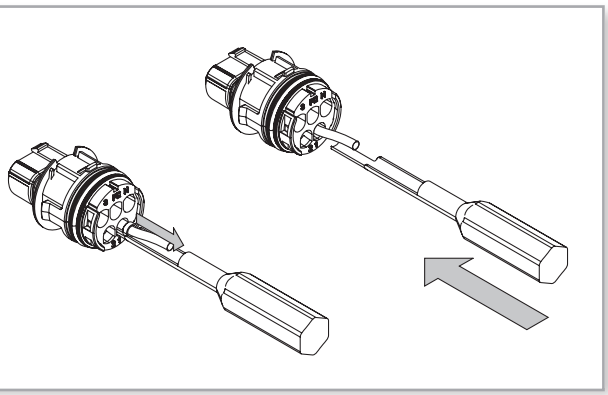
The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Connectors 4- and 5-pole

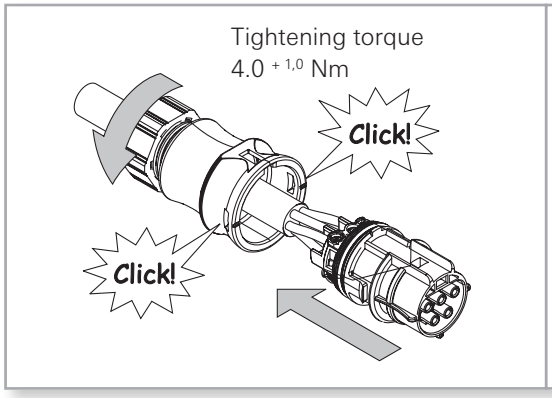
Connect the wires (screw connection) ...



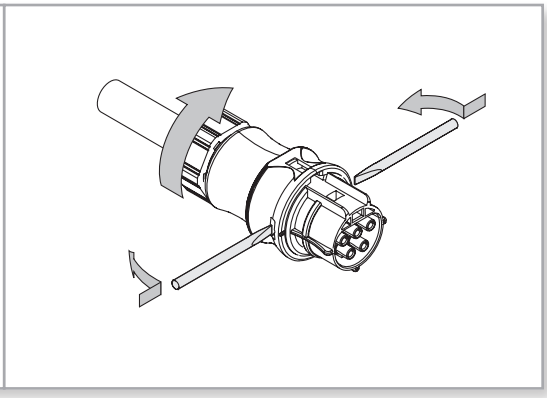
... and disconnect them (crimp connections



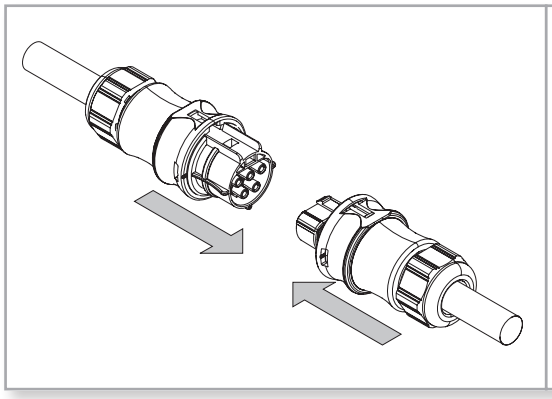
Close the connector ...



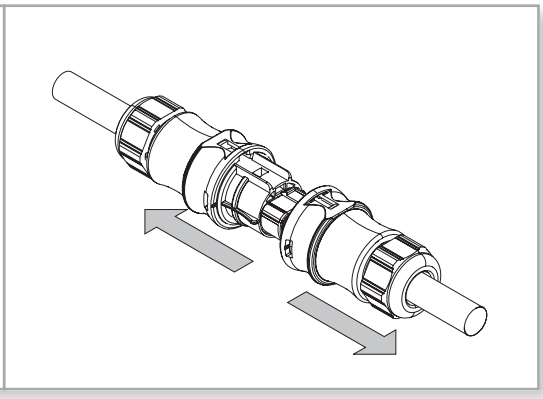
... and open it



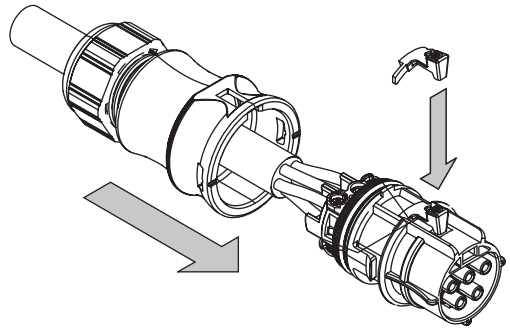
Lock the housing ...



... and unlock it



How to insert the (optional) manual disconnect tool into the connector
(only possible for the female connector)



The manual disconnect tool can be used as an alternative and enables disconnecting without a tool.

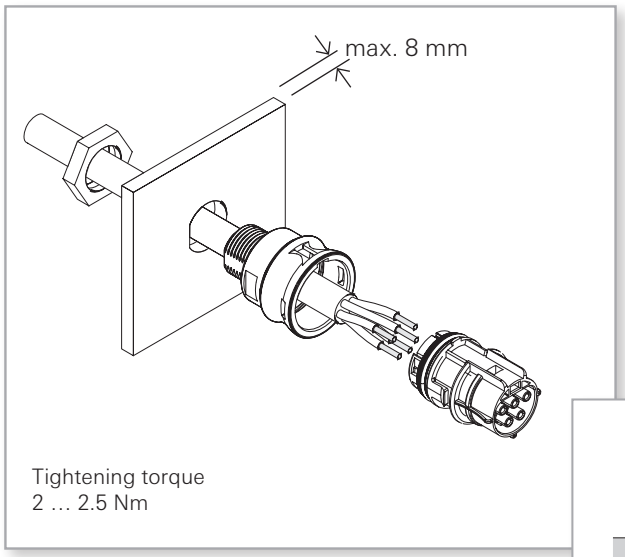
The descriptions on this page merely serve as an overview.
For assembly and installation, only the installation instructions supplied together with the products are binding

The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Device connections 4- and 5-pole

Installation of a standard system,
for M16 and M20 feed-through

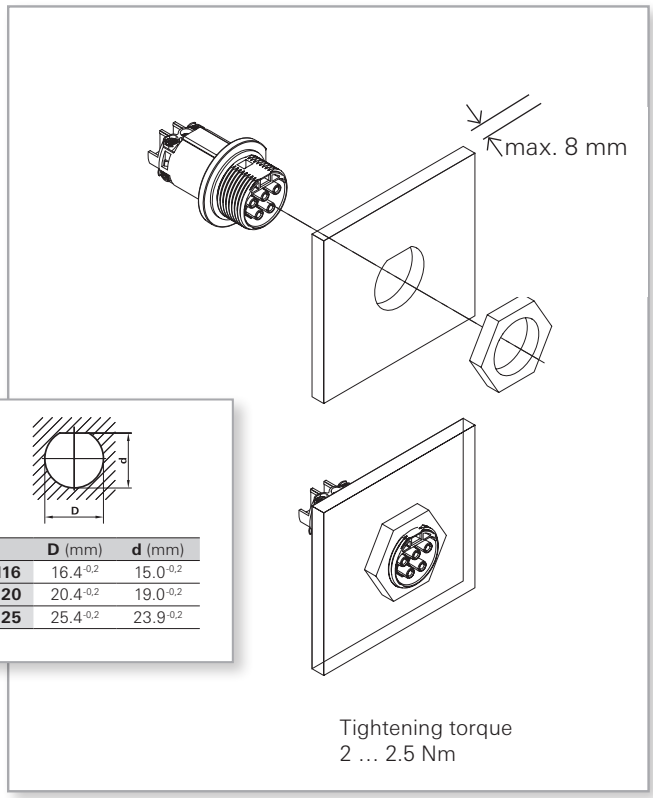
Dimensions in mm



Tightening torque
2 … 2.5 Nm

Installation of a standard system,
for M25 feed-through

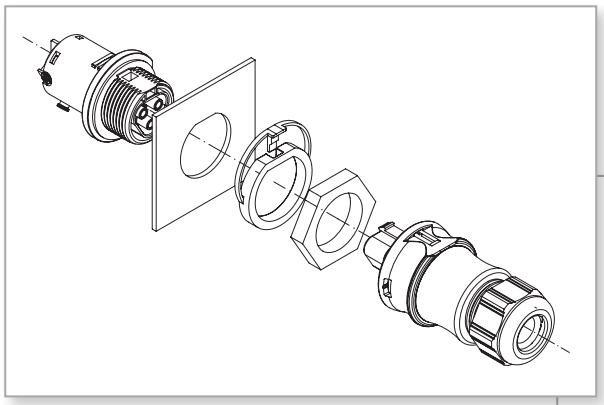
Dimensions in mm

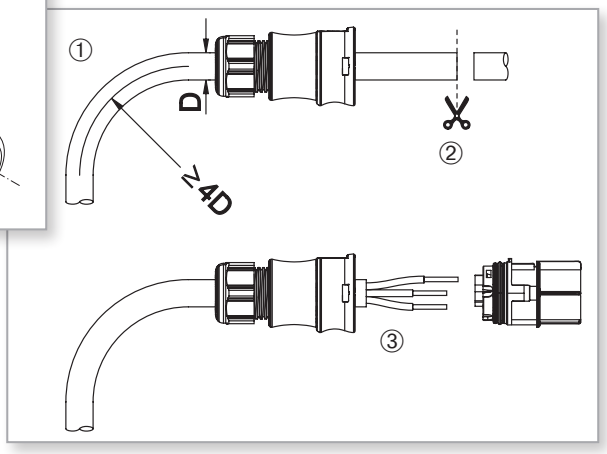


	D (mm)	d (mm)
M16	$16.4^{-0,2}$	$15.0^{-0,2}$
M20	$20.4^{-0,2}$	$19.0^{-0,2}$
M25	$25.4^{-0,2}$	$23.9^{-0,2}$

Tightening torque
2 … 2.5 Nm

Note:
Effectiveness of the protection against twisting can only be guaranteed when the lower tolerance limit is ensured for the diameter of the hole.





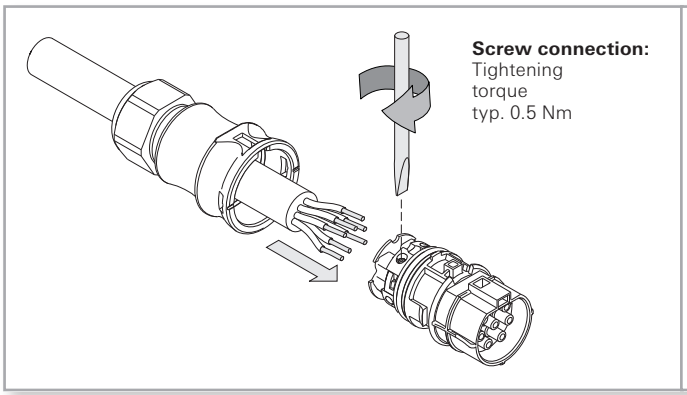
Bending radius (for conductors)
Note the minimum bending radius for conductors > 2.5 mm². Pull forces on the contact points can be avoided by proceeding as follows::

Bend the wire as required
Cut the wire to length ②
Strip the cable and wires ③

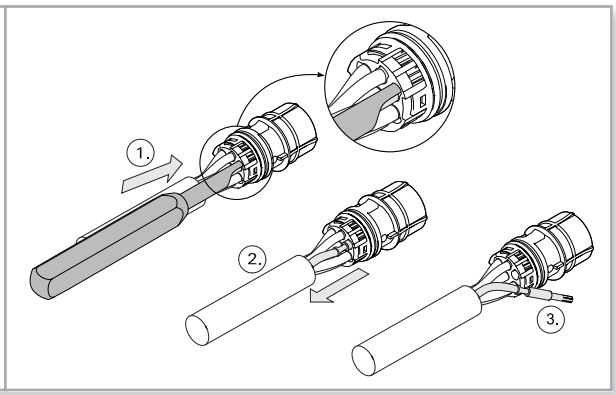
The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Connectors 6- and 7-pole

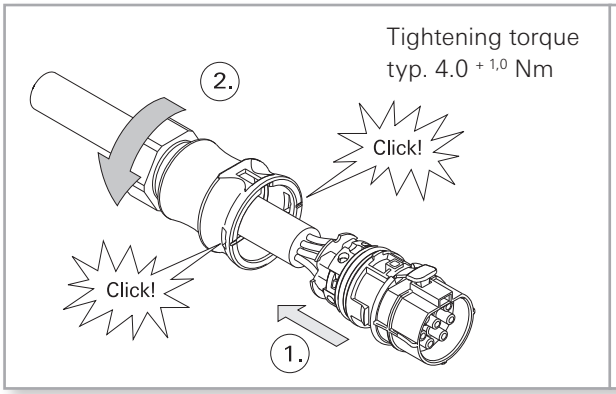
Connect the wires (screw connection) ...



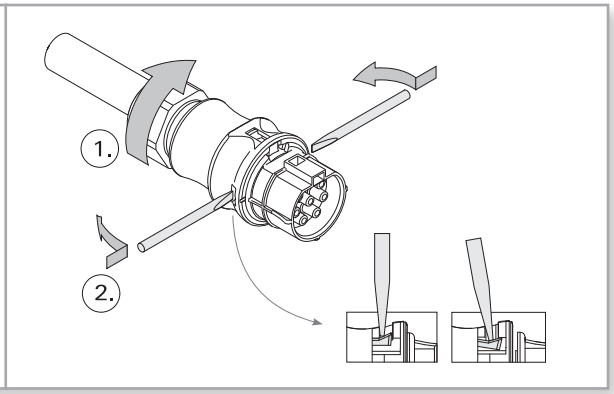
... and disconnect them (crimp connections



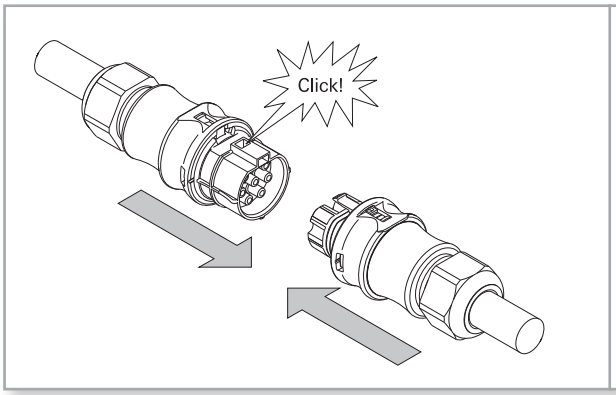
Close the connector ...



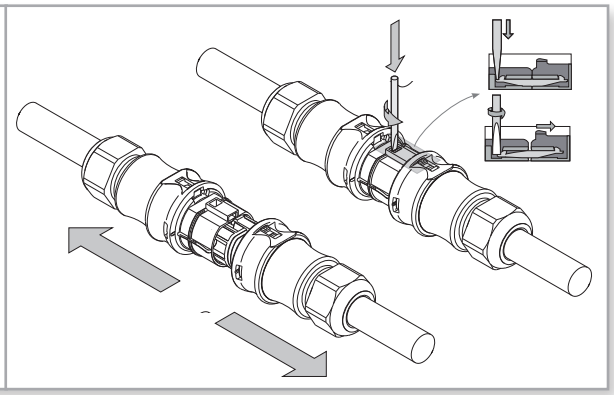
... and open it



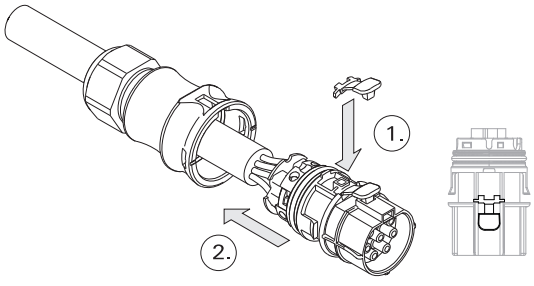
Plugging and locking



Unlocking and separating



How to insert the (optional) manual disconnect tool into the connector
(only possible for the female connector)



The manual disconnect tool can be used as an alternative and enables disconnecting without a tool.

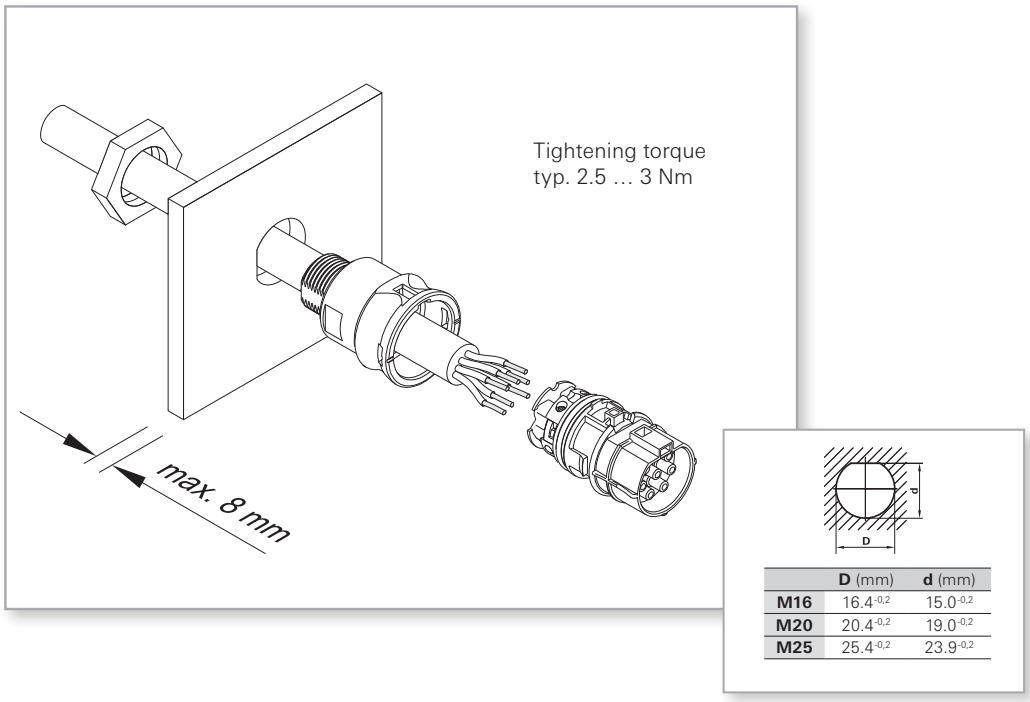
The descriptions on this page merely serve as an overview.
For assembly and installation, only the installation instructions supplied together with the products are binding

The corresponding installation instructions BA001155 and BA001156 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Device connections 6- and 7-pole

Housing installation with
M16, M20 and M25 feed-through

Dimensions in mm



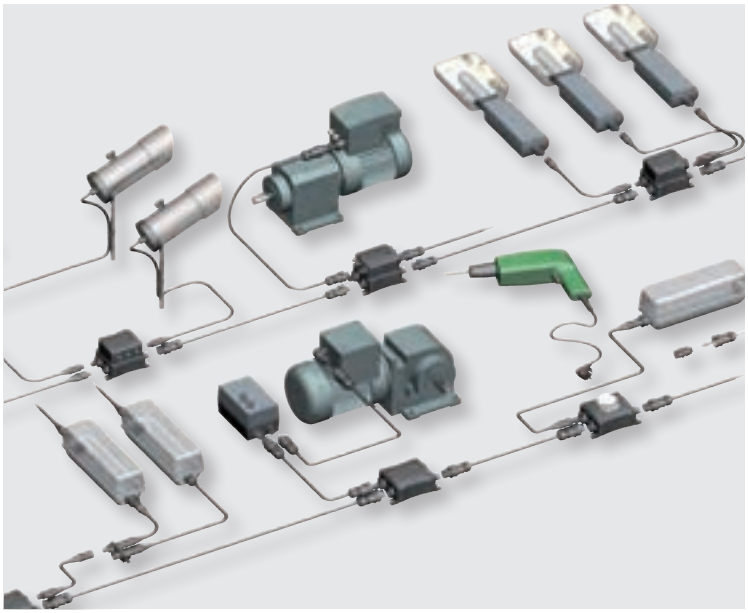
	D (mm)	**d** (mm)
M16	$16.4^{-0,2}$	$15.0^{-0,2}$
M20	$20.4^{-0,2}$	$19.0^{-0,2}$
M25	$25.4^{-0,2}$	$23.9^{-0,2}$

The corresponding installation instructions BA001155 and BA001156 can be found online in the download section of the respective product under: eshop.wieland-electric.com


wieland

Compact and multi-distribution units for use in rough environments

Application example



General

The pluggable distribution units play a major role in power distribution. In their simplest function, they merely have to provide branches in the required locations. Practice shows, however, that the requirements may be much more complex.

Examples can be found in AC and DC wiring through distribution units with microfuses up to boxes with integrated safety outlets or switches.

Compact and multi-distribution units

Flexibility according to the modular *RST*® principle

The highest level of flexibility!

Two housing variations are the basis: a flat design with up to four slots, and a high design with a total of up to eight slots. Unused slots are closed at the factory.
The distribution units are equipped individually with suitable device connectors. These connectors are available in various pole configurations, with mechanical coding and designs; they are wired to customer's requirements.

Overview of the standard components:

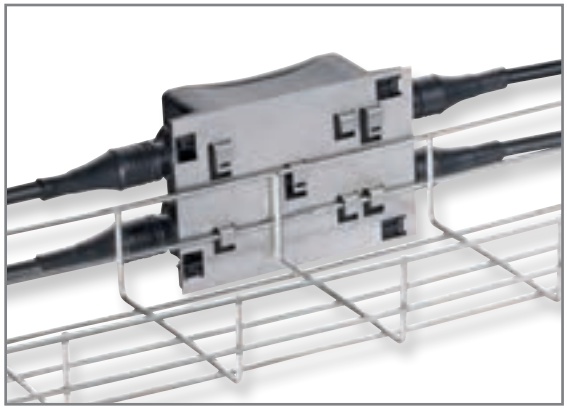
Depending on the application, you can choose among 30 codings from the range of ***RST***® CLASSIC and ***RST***® MINI. Mechanically coded means that only the matching male and female connectors can be plugged together. Thus you can be sure that your different applications are clearly distinguished – without having to rework incorrect connections.The connector colors signal the matching connections. The standard power coding is an exception. Here you can select between black and gray.
These are compatible with one another.

RST16i2	RST16i3	RST16i4	RST16i5	RST20i2	RST20i3	RST20i4	RST20i5	RST25i3
250V black or light gray L, N	250V black or light gray L, N, PE	250/400V black or light gray 1, 2 ,3, N, PE	250/400V black or light gray 1, 2 ,3, N, PE	250V black or light gray L, N	250V black or light gray L, N, PE	250/400V black or light gray PE, 1, 2, 3	250/400V black or light gray PE, N, 3, 2,1	250V concrete gray L, N, PE
250/400V light blue 1, 2	250/400V leaf green 1, 2, PE		250V turquoise L, N, PE, 1, 2	250/400V pebble gray +, -	250/400V leaf green 1, 2, PE		250V turquoise L, N, PE, D1, D2	
250/400V turquoise D1, D2	250/400V light blue 1, 2, 3	~50/-120V signal brown 1, 2, 3, 4	250/400V light blue 1, 2, 3, 4, 5		250/400V light blue 1, 2, 3	~50/-120V signal brown 1, 2, 3,4	250/400V light blue 1, 2, 3, 4, 5	
~50/-120V signal brown 1, 2	250/400V turquoise D1, D2, PE		~50/-120V signal brown 1, 2, 3, 4, 5	~50/-120V signal brown 1, 2	~50/-120V signal brown 1, 2, PE		250/400V yellow N, E, 1, 2, 3	RST25i5
	~50/-120V signal brown 1, 2, 3						~50/-120V signal brown 1, 2, 3, 4, 5	250/400V concrete gray L, N, PE, 1, 2

Mounting

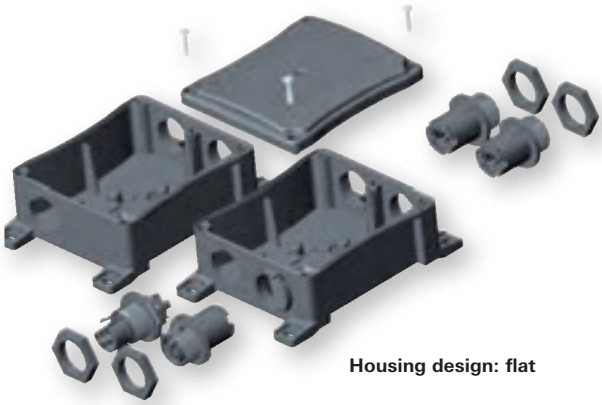
Four fixing clips on the outside ensure easy installation and safe fixation.

At the bottom, there are extra fixing holes for attachment of a special mounting plate.



Unlocking

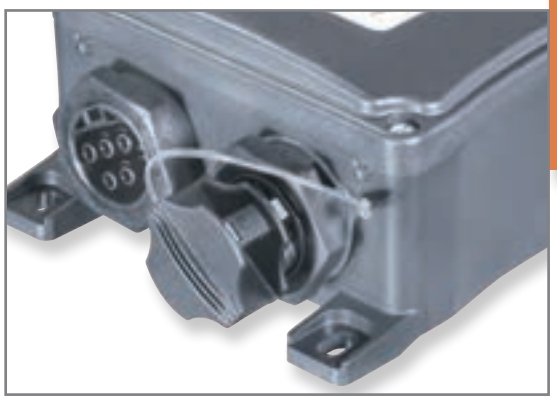
All pluggable connections are protected against accidental loosening. This is guaranteed by a locking facility integrated during production. On plug-in, the locking facility latches with an audible click.
The connection is released using a screwdriver.

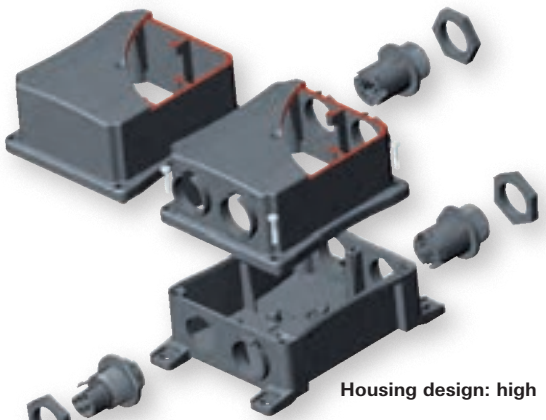


Housing design: flat

Cover pieces

Cover pieces are required for safely covering unused outputs.
These are available either with or without protection against loss.





Housing design: high

Circuit diagram

A circuit diagram on the housing cover provides information about the internal wiring.
The outputs are numbered from X1 to X8.

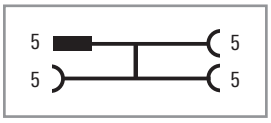
Compact distribution units with max. 4 slots

RST compact distribution unit

Dimensions (W x L x H) 104 x 162 x 57.2 mm
Number of poles 5-pole
routing 3 outputs 230/400V, 20A
Pre-wired with
Mounting option
RST 20i5 coding Color black
2.5 mm²
Yes

Color	Input	Outputs	Part No.
gray	1	3	upon request
black	1	3	96.050.0153.1

Circuit diagram

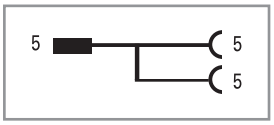


RST compact distribution unit

Dimensions (W x L x H) 104 x 162 x 57.2 mm
Number of poles 5-pole
routing 2 outputs 230/400V, 20A
Pre-wired with
Mounting option
RST 20i5 Coding Color black
2.5 mm²
Yes

Color	Input	Outputs	Part No.
gray	1	2	upon request
black	1	2	96.050.1153.1

Circuit diagram

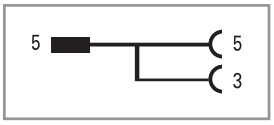


RST compact distribution unit

Dimensions (W x L x H) 104 x 162 x 57.2 mm
Number of poles 5-/3-pole
routing 1 output 230/400V, 20A
1 output 230V, 20A
Pre-wired with
Mounting option
RST 20i5 coding Color black
RST 20i3 coding Color black
2.5 mm²
Yes

Color	Pole marking	Input	Outputs	Part No.
gray		1	2	upon request
black	L1	1	2	96.050.3153.1
black	L2	1	2	96.050.4153.1
black	L3	1	2	96.050.5153.1

Circuit diagram

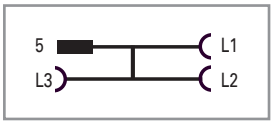


RST compact distribution unit

Dimensions (W x L x H) 104 x 162 x 57.2 mm
Number of poles 5-/3-pole
1 input 230/400V, 20A
3 outputs 230V, 20A
Pre-wired with
Mounting option
RST 20i5 coding Color black
RST 20i3 coding Color black
2.5 mm²
Yes

Color	Pole marking	Input	Outputs	Part No.
gray		1	3	Upon request
black	L1, L2, L3	1	3	96.050.6153.1

Circuit diagram

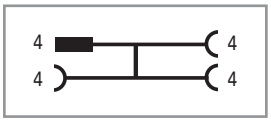


AS-i distribution unit

Distribution box AS-i / 24V

Dimensions (W x L x H)	104 x 162 x 57.2 mm	3 outputs 230/400V, 20A	RST 20i4 coding Color brown
Number of poles	4-pole	Pre-wired with	2.5 mm^2
		Mounting option	Yes

Circuit diagram

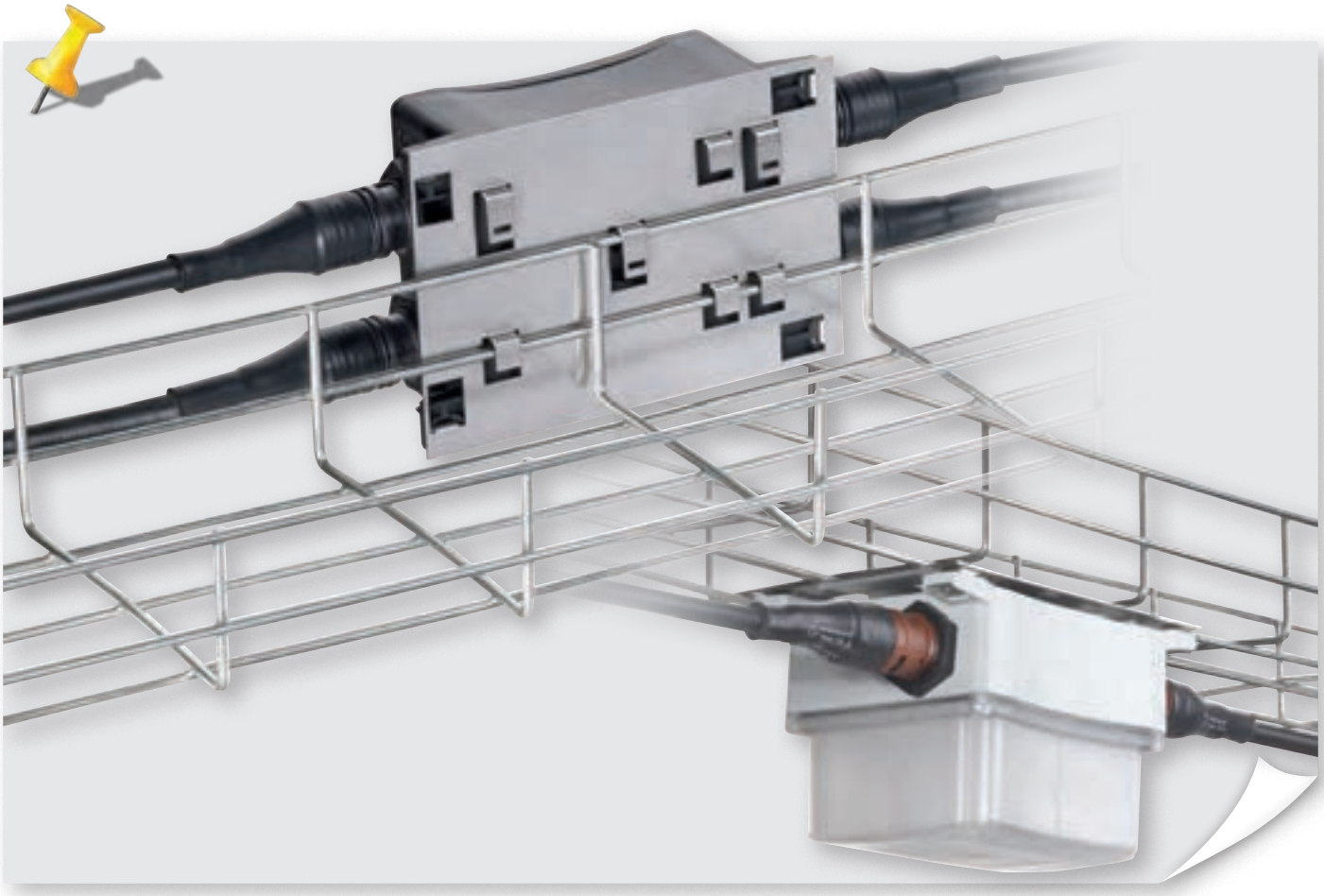


Color	Input	Outputs	Part No.
gray	1	3	upon request
black	1	3	96.040.0151.4

Mounting plate for example to fit on the mesh cable tray
(see illustration below)

Dimensions (W x L x H)	105 x 154 x 4.5 mm
Mounting option	Yes

Part No.
G0.500.2041.5



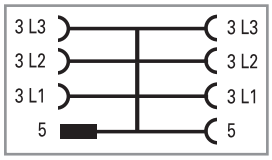
Multi-distribution units with max. 8 slots

Multi-distribution unit 5-/3-pole, 1I/7O, 2x L1, L2, L3

Dimensions (W x L x H)	104 x 162 x 96 mm
routing outputs 230/400V, 20A	1, RST 20i5 coding black
outputs 230V, 20A	6, RST 20i3 coding black

Color	Input	Outputs	Part No.
gray	1	7	upon request
black	1	7	96.050.7153.1

Circuit diagram

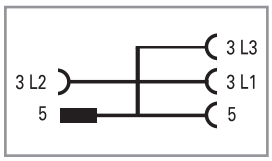


Multi-distribution unit 5-/3-pole, 1I/3O, L1, L2, L3

Dimensions (W x L x H)	104 x 162 x 96 mm
routing outputs 230/400V, 20A	1, RST 20i5 coding black
outputs 230V, 20A	3, RST 20i3 coding black

Color	Input	Outputs	Part No.
gray	1	4	upon request
black	1	4	99.902.0000.7

Circuit diagram



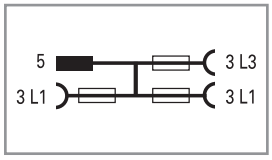
Multi-distribution unit 5-/3-pole, 1I/3O, L1, L2, L3

Dimensions (W x L x H)	104 x 162 x 96 mm
Protection type	IP 65, 66, 67

input 230/400V, 20A	1, RST 20i5 coding black
outputs 230 V, with 3 integrated microfuse holders up to 10 A	3, RST 20i3 coding black
including microfuse	10A, 5 x 20 mm

Color	Input	Outputs	Part No.
gray	1	3	upon request
black	1	3	99.901.0000.7

Circuit diagram



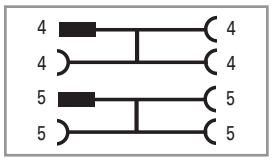
Distribution box Power and AS-i / 24 V

Dimensions (W x L x H)	104 x 162 x 96 mm

Input power 230/400V, 20A	1
Outputs power 230/400V, 20A	3, RST 20i5 coding black
input AS-i/24V, 20A	1
outputs AS-i/24V, 20A	3, RST 20i4 coding brown

Color	Input	Outputs	Part No.
black	1	3	99.903.0000.7

Circuit diagram

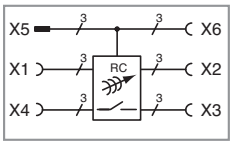


Multi-distribution units, radio, halogen technology, LED technology

Switching output unit EnOcean 4-fold

Power In-/Output	230V AC / 20A connectors RST 20i3 coding black
Outputs	4
Connection type	connector RST20i3, coding black
Rated voltage	230 V AC
Switching capacity	6A (max. two of the LED/LV halogen modules given below)
Protection type	IP 65, 66, 67, 68 (3m; 2h)
Dimensions (length/width/height)	104/162/96 mm
Mounting option	4 elongated holes

Circuit diagram



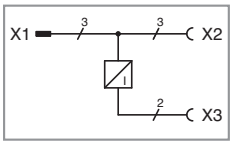
Type	Name	Part No.
RC RST-0/4	4 relay outputs, 1 feed-through wiring	83.020.0505.0

The EnOcean 4-fold switching output unit in IP68 surface housing for outdoor use features four 230V relays. They can be programmed for 30 push button pairs. All electrical connections are pluggable.

Constant power supply unit, 350 mA DC

Power input (male connector)	230V AC/20A RST 20i3 coding black
Power output (female connector)	230V AC/20A RST 20i3 coding black
Output LED (female connector)	350mA DC/max. 12W RST 20i2 coding brown
Protection type	IP 65, 66, 67, 68 (3m; 2h), 69
Ambient temperature	-25 °C up to +55 °C
Dimensions (length/width/height)	104/162/96 mm
Mounting option	4 elongated holes
Electrical connections	pluggable with RST 20i2...20i3

Circuit diagram



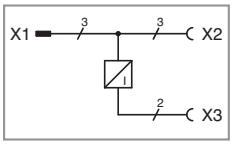
Type	Part No.
RST PSI 350/12 LED	83.020.0902.0

Constant power supply unit 350 mA for connecting LEDs. Connections not used have to be closed.

Constant power supply unit, 700 mA DC

Power input (male connector)	230V AC/20A, RST 20i3 coding black
Power output (female connector)	230V AC/20A RST 20i3, coding black
Output LED (female connector)	700mA DC/max. 12W, RST 20i2 coding brown
Protection type	IP 65, 66, 67, 68 (3m; 2h), 69
Ambient temperature	-25 °C up to +55 °C
Dimensions (length/width/height)	104/162/96 mm
Mounting option	4 elongated holes
Electrical connections	pluggable with RST 20i2...20i3

Circuit diagram



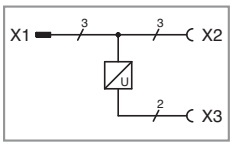
Type	Part No.
RST PSI 700/12 LED	83.020.0903.0

Constant power supply unit 700 mA for connecting LEDs. Connections not used have to be closed.

Constant power supply unit, 12 V DC

Power input (male connector)	230V AC/20A RST 20i3, coding black
Power output (female connector)	230V AC/20A RST 20i3, coding black
Output LED (female connector)	12V DC/max. 12W RST 20i2, coding signal brown
Protection type	IP 65, 66, 67, 68 (3m; 2h), 69
Ambient temperature	-25 °C up to +55 °C
Dimensions (length/width/height)	104/162/96 mm
Mounting option	4 elongated holes
Electrical connections	pluggable with RST 20i2...20i3

Circuit diagram



Type	Part No.
RST PSU 12/12 LED	83.020.0900.0

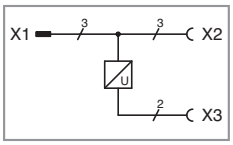
Constant voltage supply unit 12 V for connecting LEDs. Connections not used have to be closed.

Constant power supply unit, 24 V DC

power input (male connector)	230V AC/20A RST 20i3, coding black
power output (female connector)	230V AC/20A RST 20i3, coding black
output LED (female connector)	24V DC/max. 12W RST20i2, coding signal brown

Protection type	IP 65, 66, 67, 68 (3m; 2h), 69
Ambient temperature	-25 °C up to +55 °C
Dimensions (length/width/height)	104/162/96 mm
Mounting option	4 elongated holes
Electrical connections	pluggable with RST 20i2...20i3

Circuit diagram



RST PSU 24/12 LED	83.020.0901.0

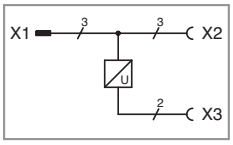
Constant voltage supply unit 24 V for connecting LEDs.
Connections not used have to be closed.

Transformer for low voltage halogen luminaires, 12 V AC

Power input (male connector)	230V AC/20A RST 20i3, coding black
Power output (female connector)	230V AC/20A RST 20i3, coding black
Output LV halogen (female connector)	12V AC/20 – 70W RST 20i2, coding signal brown

Output LV halogen	max. 2 m cable length
Protection type	IP 65, 66, 67, 68 (3m; 2h), 69
Ambient temperature	0 °C up to +45 °C (derating from 35 °C)
Dimensions (length/width/height)	104/162/96 mm
Mounting option	4 elongated holes
Electrical connections	pluggable with RST 20i2...20i3

Circuit diagram



Type	Part No.
RST PSU 12/70 LVH	83.020.0904.0

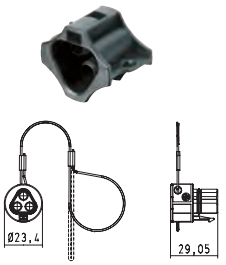
Power supply unit 12 V for connecting halogen luminaires.
Connections not used have to be closed.

Accessories Covers

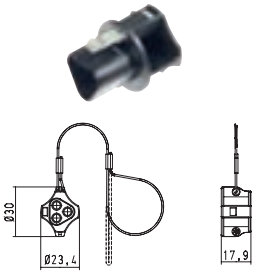
Suitable for all RST 20i2 and RST 20i3 codings

The covers have to be used to close all unused inputs and outputs. Without these covers, only IP20 is achieved!

for male



for female



Type	Part No.
Cover for male connector, captive against loss	99.416.6205.2
Cover for male connector, not captive against loss	05.564.4453.1
Cover for female connector, captive against loss	99.414.6205.2
Cover for female connector, not captive against loss	Z5.564.4553.1

Radio switch / hand-held radio transmitter

Radio switch, 2/4 channels glossy with suitable frame

– glossy surface
– batteryless and maintenance free
– for installation on flat surfaces with screws or adhesive pads (included in delivery)
– the combination frames have to be ordered separately

Type	Color	Marking	Part No.
Radio switch, 2 channels	pure white	I / 0	F0.000.0025.0
	pure white	(△▼)	F0.000.0025.2
	pure white		F0.000.0025.4
	aluminum	I / 0	F0.000.0026.8
	aluminum	(△▼)	F0.000.0027.0
	aluminum		F0.000.0027.2
Radio switch, 4 channels	pure white	I / 0	F0.000.0025.1
	pure white	(△▼)	F0.000.0025.3
	pure white		F0.000.0025.5
	Piano black	I / 0	F0.000.0026.0
	aluminum	I / 0	F0.000.0026.9
	aluminum	(△▼)	F0.000.0027.1
	aluminum		F0.000.0027.3

* 2 channels represent a rocker in neutral center position. This function is defined in the receiver.

* 4 channels represent two rockers in neutral center position. This function is defined in the receiver.

This push button series features a glossy, smooth surface. The radio switches with 2 or 4 channels do not require batteries or maintenance. The rockers are in neutral central position and without marking with 1/0 or up/down symbols. The matching frames for these push buttons can be found below.

Frame for installation of the 2/4 channel glossy radio switches. Suitable for vertical and horizontal mounting.

Type	Color	Marking	Part No.
Combination frame 1-fold	pure white		F0.000.0025.6
Combination frame 2-fold	pure white		F0.000.0025.7
Combination frame 3-fold	pure white		F0.000.0025.8
Combination frame 1-fold	piano black		F0.000.0026.5
Combination frame 3-fold	piano black		F0.000.0026.7
Combination frame 1-fold	aluminum		F0.000.0027.4
Combination frame 2-fold	aluminum		F0.000.0027.5
Combination frame 3-fold	aluminum		F0.000.0027.6

Handheld radio transmitter, 4 channels

Handheld radio transmitter
– Batteryless and maintenance-free
– For stick-on surface mounting or as a handheld remote control.

Batteryless and maintenance-free 4-channel handheld transmitter for direct control of the actuators.

Type	Color	Marking	Part No.
Handheld radio transmitter	pure white RAL 9010		F0.000.0009.1
Handheld radio transmitter	black RAL 9005		F0.000.0009.2
Handheld radio transmitter	silver coated		F0.000.0009.3

Radio switch / hand-held transmitter

Convenient hand-held transmitter

Radio channels	512
Configurable levels	32

Displays	Time, date, temperature
Texts and symbols	pre-defined or configurable
Lock	with pin code
Timers	32
Speed dial keys	8
Dimensions (length/width/height)	165/55/21 mm

Type	Part No.
Convenient hand-held transmitter	F0.000.0024.4

Included in delivery

Special EnOcean function: EnOcean service function, e.g. ID display, quality of radio signals, and a radio link test (enables range test between two hand-held terminals)

Power supply:

Supply with batteries	3 AAA-NiMH power packs (included in delivery)
Charging device	USB charging device and separate USB cable (included in delivery)

The convenient hand-held transmitter allows for control of the complete building. Whether complex lighting concepts or comprehensive actions following a detailed schedule: This hand-held terminal lets you program building functions in the twinkling of an eye. Menu navigation is intuitive and is supported by easily understandable symbols.
Additionally, the device offers service functions for the installer regarding range planning and serves for function testing during commissioning.

Multivendor radio switch, 2/4 channels

- Batteryless and maintenance-free
- for mounting on flat surfaces with screws or adhesive pads (included in delivery)

- The radio switches fit the frames with 55mm installation size of the vendors and their designs listed:
  – Berker: S1, B1, B3, B7 Glas
  – Gira: Standard 55, E2, Event, Esprit
  – Jung: A500, A plus
  – Merten: M-Smart, M-Arc, M-Plan

Type	Color	Marking	Part No.
Radio switch, 2 channels	white	I / 0	F0.000.0005.6
	anthracite	I / 0	F0.000.0007.5
	aluminum finish	I / 0	F0.000.0007.6
Radio switch, 2 channels	white	(△▼)	F0.000.0005.8
	anthracite	(△▼)	F0.000.0007.7
	aluminum finish	(△▼)	F0.000.0007.8
Radio switch, 4 channels	white	I / 0	F0.000.0005.7
	anthracite	I / 0	F0.000.0007.9
	aluminum finish	I / 0	F0.000.0008.0
Radio switch, 4 channels	white	(△▼)	F0.000.0005.9
	anthracite	(△▼)	F0.000.0008.1
	aluminum finish	(△▼)	F0.000.0008.2

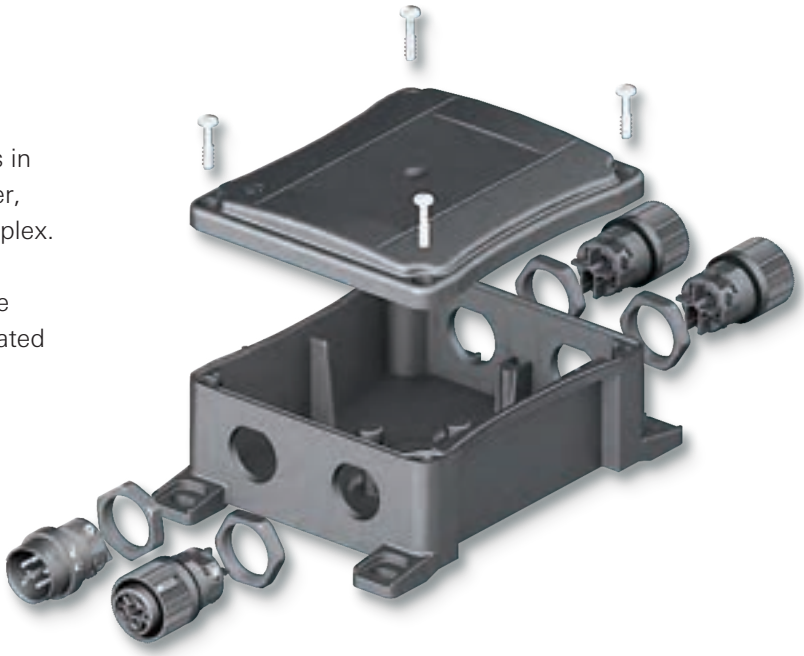
Batteryless and maintenance-free radio switches with 2/4 channels for direct control of the actuators. The rockers in neutral center position are marked with I/O or Up/Down (△ ▼) symbols. These 55x55 mm switches enable installation in various designs of various manufacturer

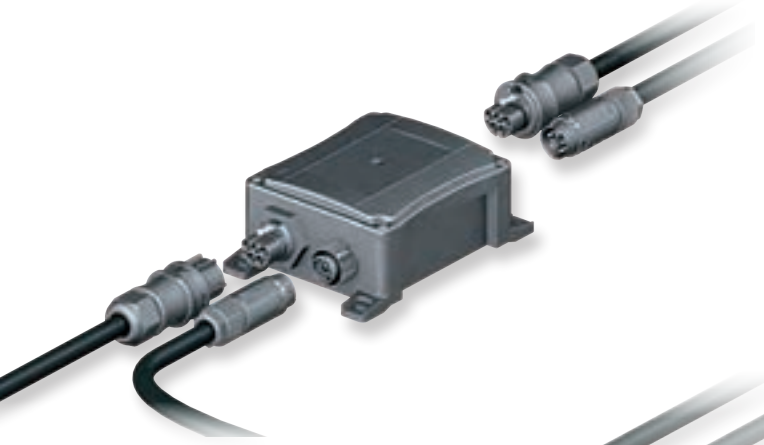
- Multivendor radio switches with 2/4 channels (light) (I / 0)
- the rockers are printed with I/0 symbols

- Multivendor radio switches with 2/4 channels (sunblind) (Up / Down) (△ ▼)
- the rockers are printed with Up/Down (△ ▼) symbols

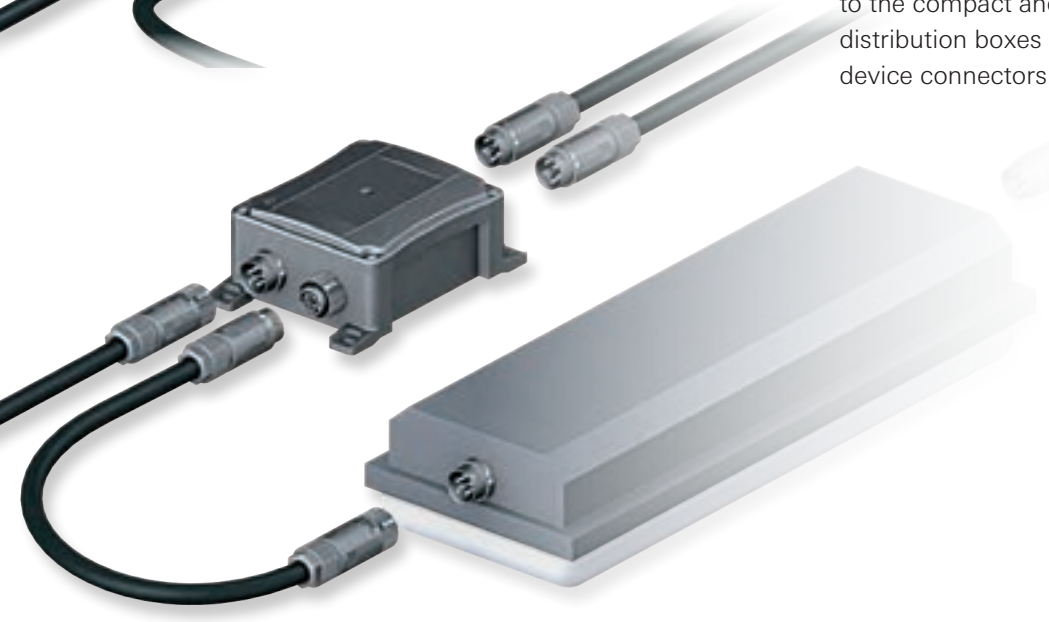
Compact and multiple distribution units
Flexibility according to RST® modularity

The pluggable distributors play a major role in power or signal distribution. In their simplest function, they merely have to provide branches in the required locations. Practice shows, however, that the requirements may be much more complex. Examples can be found in rotary A/C current distributors and distributors with integrated fine fuses, all the way through to boxes with integrated electronics, such as constant current sources, voltage sources, or radio actuators.





Two housing variations are the basis:
a flat design with up to four slots, and a high design with a total of up to eight slots. Alongside a customized configuration with the new RST16i device connectors, the existing components of the RST20i and RST25i lines can also be used for variety, of course.
The coded connectors give you the security of a clear distinction between different circuits – no need to redo any incorrect connections. In addition to the compact and multiple distributors, standard distribution boxes can also be customequipped with device connectors.



Example

Special variant request – please complete and fax: +49-951-9326-996

No.

No.

No.

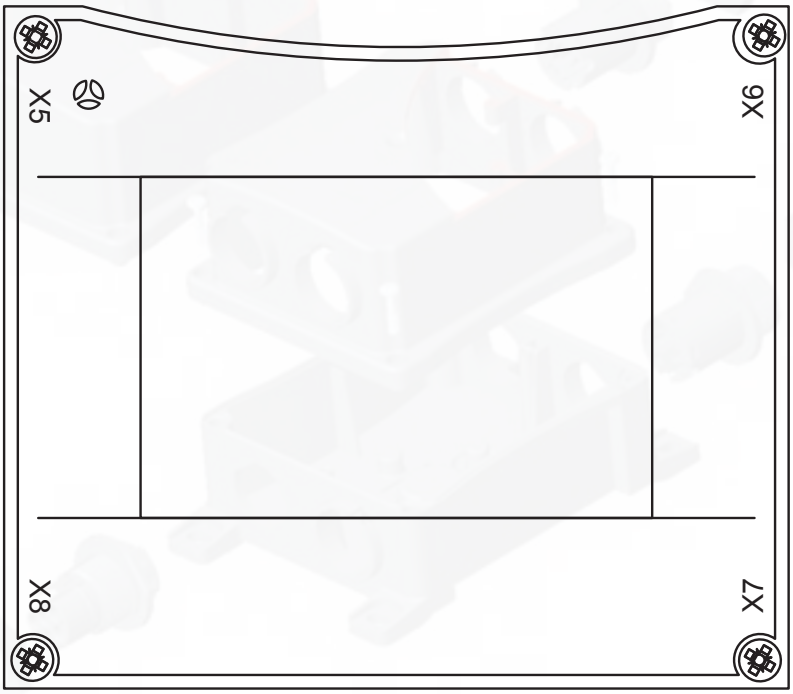
No.

Ausgang oder verschlossen
OUT OR CLOSED

Ausgang oder verschlossen
OUT OR CLOSED

Input, Ausgang
oder verschlossen
IN, OUT OR CLOSED

Ausgang oder verschlossen
OUT OR CLOSED



No.

No.

No.

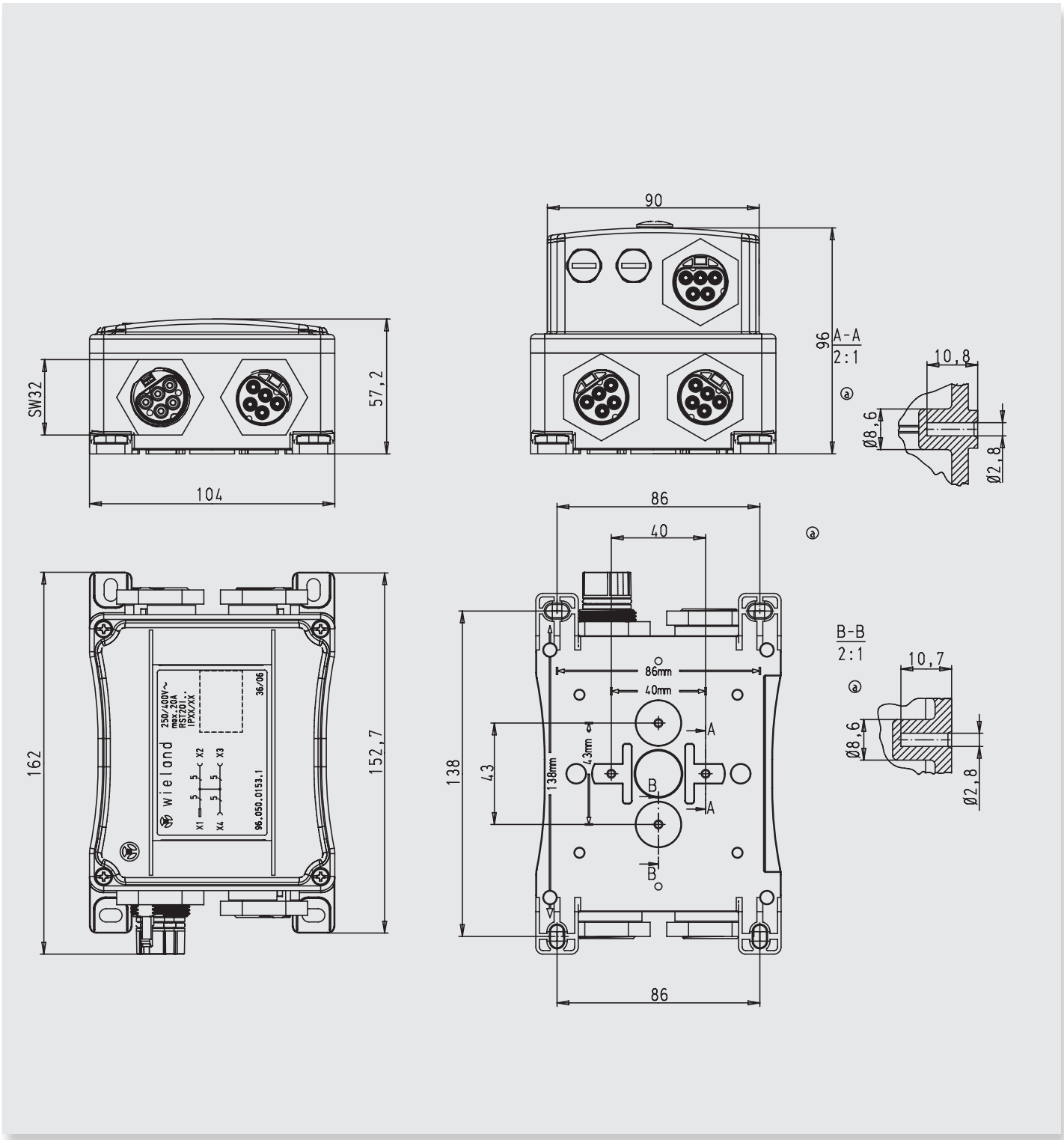
No.

Ausgang oder verschlossen
OUT OR CLOSED

Ausgang oder verschlossen
OUT OR CLOSED

Bitte die benötigten Komponenten (Artikelnummer oder Polzal und Farbe) ergänzen und Verdrahtung einzeichnen.
Please add required components (either article code or number of poles and color) and the wiring scheme.

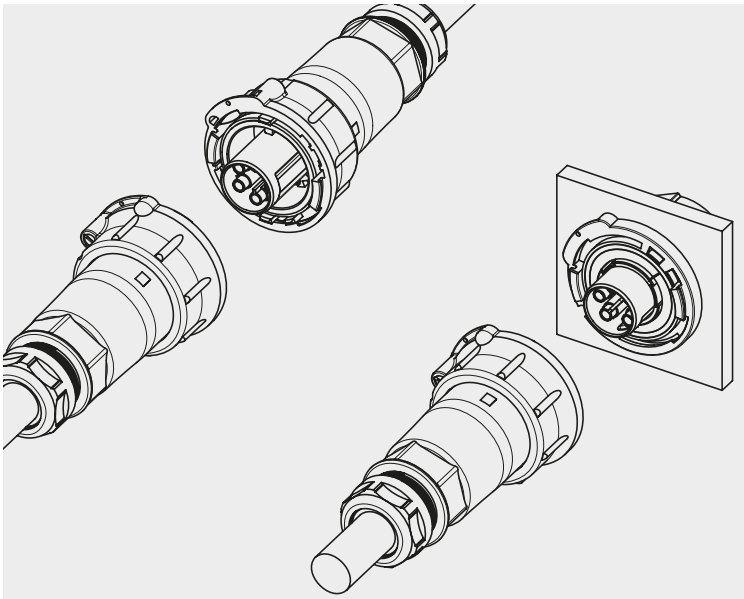
RST® compact and multi-distribution units



Operating temperature:	-40° C up to +100° C
Material:	Contact parts: brass, silver-plated Housing parts: thermoplastic material PA 66, halogen-free, V2 Sealing material: NBR
Wiring:	Individual wires 2.5 mm^2, halogen-free (other cross-sections on request)
Regulations:	DIN VDE 0606 T200; DIN EN 61984 (VDE 0627); VDE 0110 IEC 60999
Approvals:	VDE You can find the direct assignment of approvals and part numbers in the internet in the eShop under http://eshop.wieland-electric.com, or consult us.
Degree of protection:	IP66/68 (3m; 2h)/69 Special variants may occur different degrees of protection.
IK code:	IK 07 (2 Joule) according to DIN EN 62262
Rated voltage:	250 V / 400 V
Rated current:	20 A (25 A)
Coding:	Mechanical coding symbolized by color code. Gray and black with the same mechanical coding. Other codings are optional.
Note:	Protection against shock generally guaranteed even when disconnected. Ground conductor leading. Connection to the live cable must be with a female connector according to the regulations. It is therefore not possible to have a ring circuit arrangement! Only pluggable in the correct pole configuration; 1-pole cannot be connected. Contacts protected against strain on the cable. All components can be interlocked. A locking device is required for DIN EN 61535 approval. DIN VDE 0606 T200 conformity does not automatically exclude the danger of confusion with third-party installation plug connector systems! Installation plug connector systems are no substitute for national plug/outlet systems for domestic use.

The new *RST*® POWER series up to 50 A

Application example



General

The new *RST*® POWER series is particularly designed for device engineering. With a current-carrying capability of 50 A combined with an extremely compact design, the connector fits almost everywhere.

The 4-pole connector is based on the 5-pole variation, with one pole left empty.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

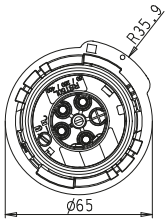
Application	Power max. 50 A
Mechanical coding	250/400 V 1, 2, 3, ⏚

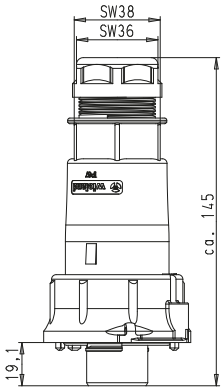
Name	Description	Connection style	Strain relief housing	Connection points per pole	black
Connectors	1 x wire entry	Screw Crimp	yes	1	✓
Device connectors	M32 connector, standard	Screw Crimp	yes	1	✓

Connectors, straight
for cables Ø 4 – 6 mm and 4 – 10 mm

Female connector

Illustration
M 32 cable gland





with screw connection	
Wire	mm²
solid / stranded	from 4.0 to 6.0*)
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

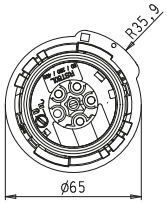
with crimp connection	
Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

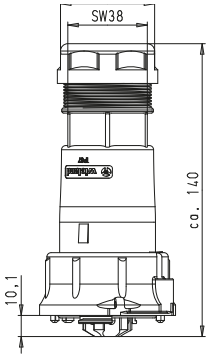
Application	Coding	Cable gland	Cable Ø in mm	Color	Part No.	Part No.
Power max. 50A	1, 2, 3, ⏚	M 32	15 – 25	black	97.041.4053.1	97.141.0053.1
		M 40	20 – 32	black	97.041.4253.1	97.141.0253.1

Contacts separately under Accessories, see following pages.

Male connector

Illustration
M 40 cable gland





with screw connection	
Wire	mm²
solid / stranded	from 4.0 to 6.0*)
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

with crimp connection	
Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

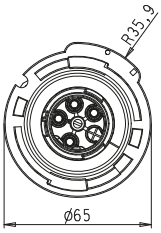
Application	Coding	Cable gland	Cable Ø in mm	Color	Part No.	Part No.
Power max. 50A	1, 2, 3, ⏚	M 32	15 – 25	black	97.042.4053.1	97.142.0053.1
		M 40	20 – 32	black	97.042.4253.1	97.142.0253.1

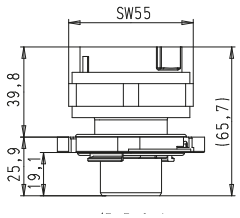
Contacts separately under Accessories, see following pages.

*) Solid and stranded wires > 6.0 mm² cannot be connected in the available space due to their rigidity.

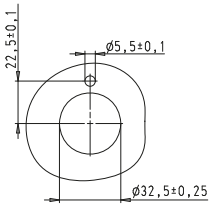
M32 device connector
straight, standard

Female connector





Drilling template for device connectors fixed in position



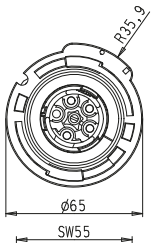
Application	Coding	Fixation with bolts	Color	with screw connection: Part No.	with crimp connection: Part No.
Power max. 50A	1, 2, 3, ⏚	fixed in position	black	97.041.5553.1	97.141.1553.1
		not fixed in position	black	97.041.5053.1	97.141.1053.1

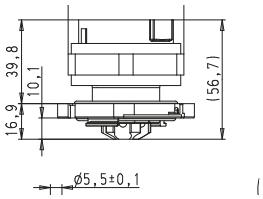
with screw connection	
Wire	mm²
solid / stranded	from 4.0 to 16.0
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

with crimp connection	
Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

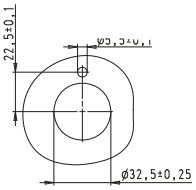
Contacts separately under Accessories, see following pages.

Male connector





Drilling template for device connectors fixed in position



Application	Coding	Fixation with bolts	Color	with screw connection: Part No.	with crimp connection: Part No.
Power max. 50A	1, 2, 3, ⏚	fixed in position	black	97.042.5553.1	97.142.1553.1
		not fixed in position	black	97.042.5053.1	97.142.1053.1

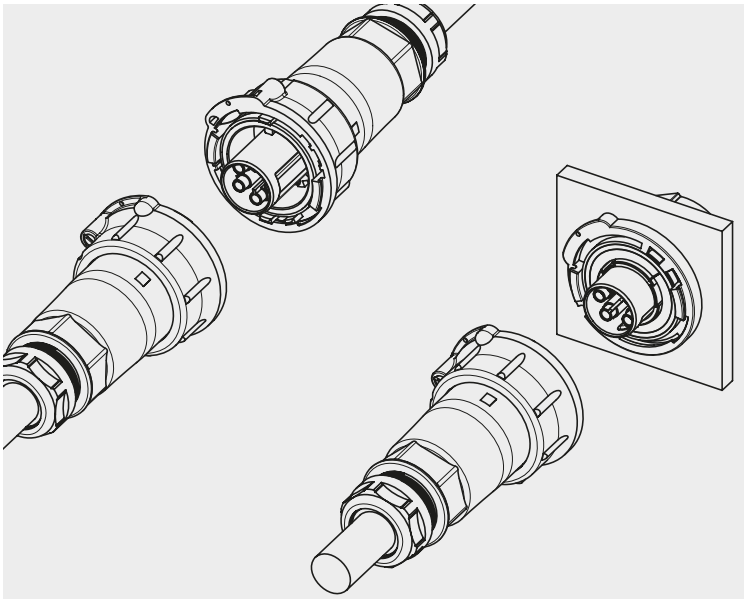
with screw connection	
Wire	mm²
solid / stranded	from 4.0 to 16.0
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

with crimp connection	
Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

Contacts separately under Accessories, see following pages.

The new *RST*® POWER series up to 50 A

Application example



General

The new *RST*® POWER series is particulary designed for device engineering. With a current-carrying capability of 50A combined with an extremely compact design, the connector fits almost everywhere.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in eShop.

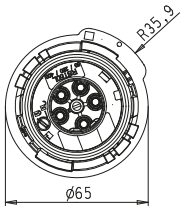
Application	Power max. 50A
	250/400V
Mechanical coding	1, 2, 3, N, ⏚
	

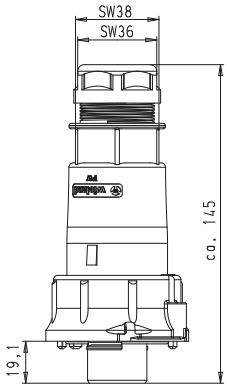
Name	Description	Connection style	Strain relief housing	Connection points per pole	black
Connectors	1 x wire entry	Screw Crimp	yes	1	✓
Device connectors	M32 connector, standard	Screw Crimp	yes	1	✓

Connectors, straight
for cables Ø 4 – 6 mm and 4 – 10 mm

Female connector

Illustration
M 32 cable gland





with screw connection	
Wire	mm²
solid stranded	from 4.0 to 6.0*)
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

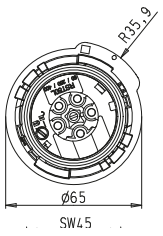
with crimp connection	
Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

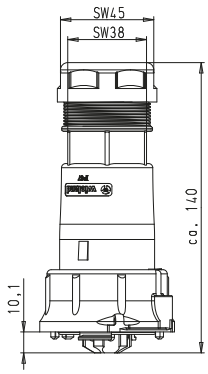
Application	Coding	Cable gland	Cable Ø in mm	Color	Part No.	Part No.
Power max. 50A	 N, ⏚, 1, 2, 3	M 32	15 – 25	black	97.051.4053.1	97.151.0053.1
		M 40	20 – 32	black	97.051.4253.1	97.151.0253.1

Contacts separately under Accessories, see following pages.

Male connector

Illustration
M 40 cable gland





with screw connection	
Wire	mm²
solid stranded	from 4.0 to 6.0*)
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

with crimp connection	
Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

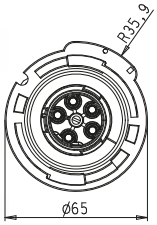
Application	Coding	Cable gland	Cable Ø in mm	Color	Part No.	Part No.
Power max. 50A	 N, ⏚, 1, 2, 3	M 32	15 – 25	black	97.052.4053.1	97.152.0053.1
		M 40	20 – 32	black	97.052.4253.1	97.152.0253.1

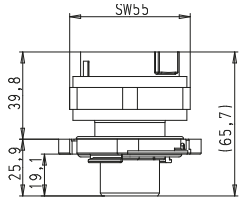
Contacts separately under Accessories, see following pages.

*) Solid and stranded wires > 6.0 mm² cannot be connected in the available space due to their rigidity.

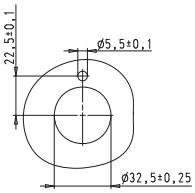
M32 device connector
straight, standard

Female connector





Drilling template for device connectors fixed in position



Application	Coding	Fixation with bolts	Color	with screw connection Part No.	with crimp connection Part No.
Power max. 50A	 N, ⏚, 1, 2, 3	fixed in position	black	97.051.5553.1	97.151.1553.1
		not fixed in position	black	97.051.5053.1	97.151.1053.1

with screw connection

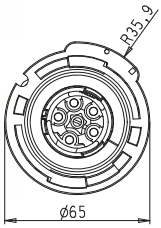
Wire	mm²
solid / stranded	from 4.0 to 16.0
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

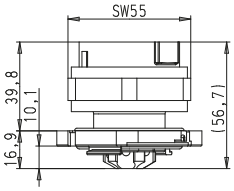
with crimp connection

Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

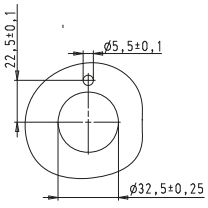
Contacts separately under Accessories, see following pages.

Male connector





Drilling template for device connectors fixed in position



Application	Coding	Fixation with bolts	Color	with screw connection Part No.	with crimp connection Part No.
Power max. 50A	 N, ⏚, 1, 2, 3	fixed in position	black	97.052.5553.1	97.152.1553.1
		not fixed in position	black	97.052.5053.1	97.152.1053.1

with screw connection

Wire	mm²
solid / stranded	from 4.0 to 16.0
flexible wires	from 4.0 to 16.0
Approvals	VDE, c CSA us

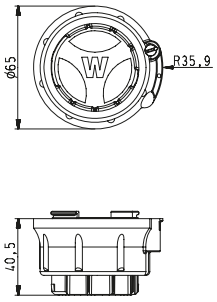
with crimp connection

Wire	mm²
flexible wires	from 4.0 to 10.0
Approvals	VDE, c CSA us

Contacts separately under Accessories, see following pages.

Cover

For safe covering of unused male or female components



Name	Color	Part No.
Cover	black	Z5.567.5653.0

Sample kit RST 50i5

Complete kit

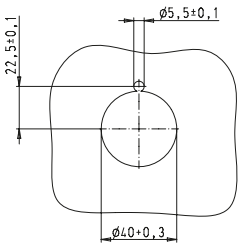
Contents:

– Connectors
– Device connection
– Cover
– Knock-out (metal sheet)

Name	Color	Part No.
Sample kit RST50i5	black	99.628.0000.0

Adapter ring 40 mm

For fixing the device connector inside 40 mm knock-outs



Name	Color	Part No.
Adapter ring	black	05.568.1853.0

RST® POWER **Crimp contacts**

Female contact

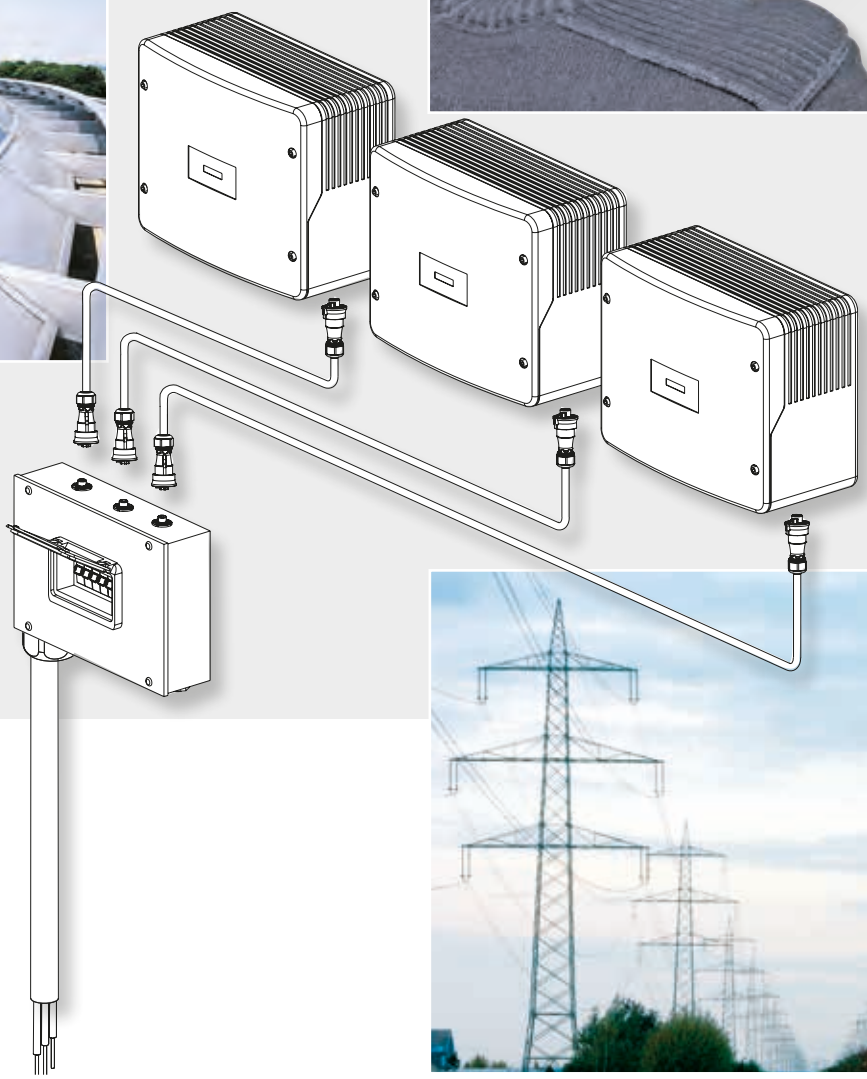
Male contact

Name	Marking	(groove) mm²	Part No.
Female contact	None	4.0	02.126.0621.8
Female contact	1	6.0	02.126.0721.8
Female contact	None	10.0	02.126.0821.8
Male contact	None	4.0	05.545.2821.8
Male contact	1	6.0	05.545.2921.8
Male contact	None	10.0	05.545.3021.8

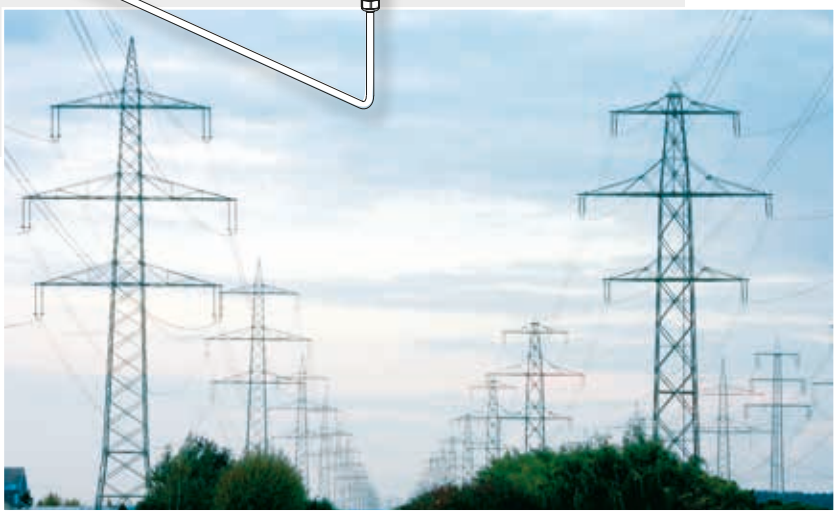
Crimping tool with system kit

Name	Part No.
Crimping tool (supplied in case)	95.101.0800.0
Crimping die D	05.502.2300.0

Convincing technology

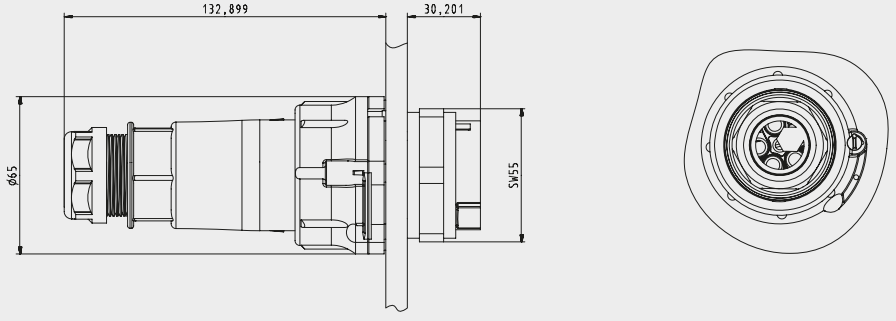


Example:
Solar collective
distribution box

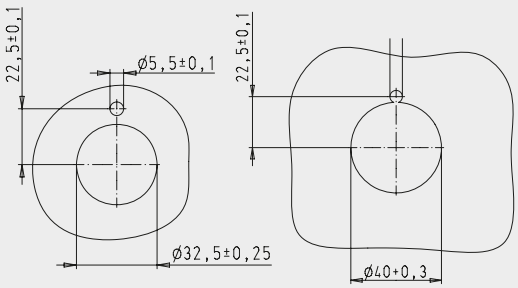


RST® POWER

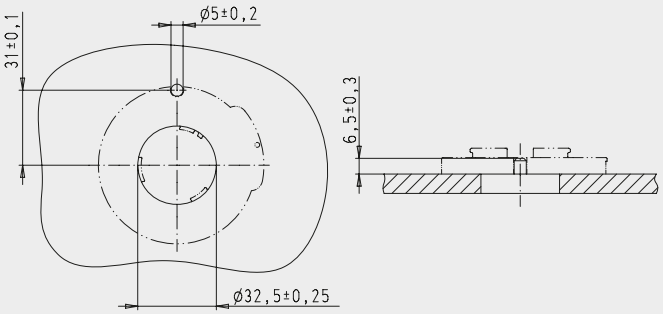
Rated voltage:	250/400 V
Rated current:	50 A
Rated cross-section:	rigid cables with 4.0 mm² to 6.0 mm² for plug connectors (up to 16 mm² with device connectors) fine-stranded cables with 4.0 mm² to 16.0 mm²
Number of poles:	4-pole 5-pole
Pole designation:	1, 2, 3, ⏚ 1, 2, 3, N, ⏚
Material:	Contact parts: brass, surface-plated Housing parts: thermoplastic material PA 66, halogen-free, V2 Sealing material NBR, TPE
Degree of protection:	IP66/67/69
Approvals:	VDE, cCSAus You can find the direct assignment of approvals and part numbers in the internet in the eShop under http://eshop.wieland-electric.com, or consult us.
Sheath strip length:	L/N = 70 mm, SL = 80 mm
Insulation strip length:	Screw 10 mm (crimp 11 mm)
Torques:	Cable glandSW 36: 8 Nm; SW 38: 14 Nm



Hole pattern for M32 device connectors, alternative M40 with adapter ring (fixed in position)

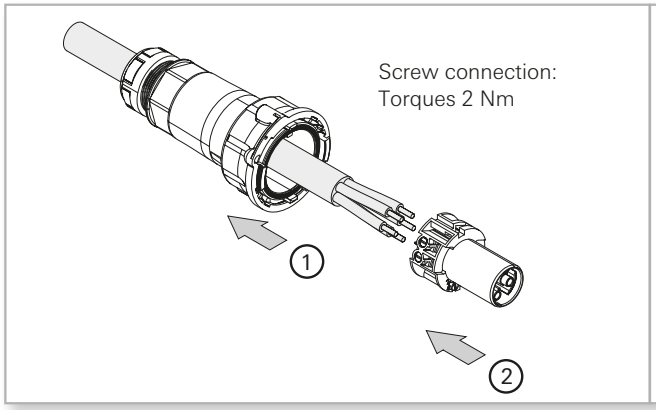


Alternative fixed in position (cams on the housing)

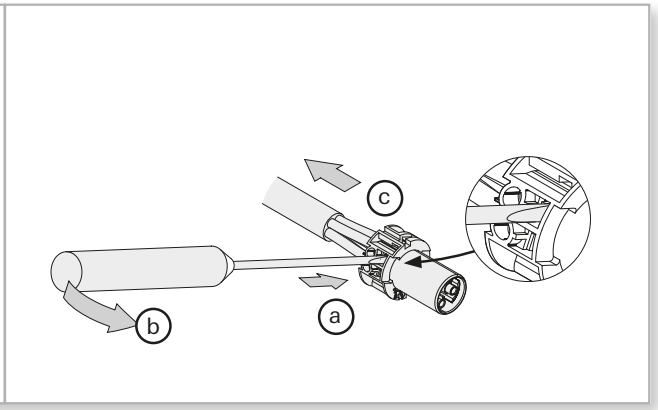


Connectors 4- and 5-pole

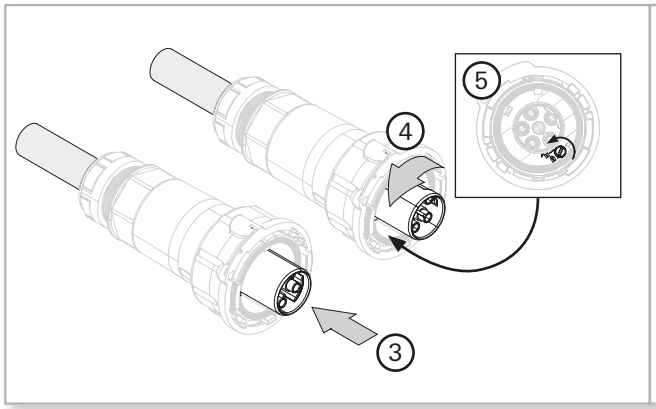
Connect the wires ...



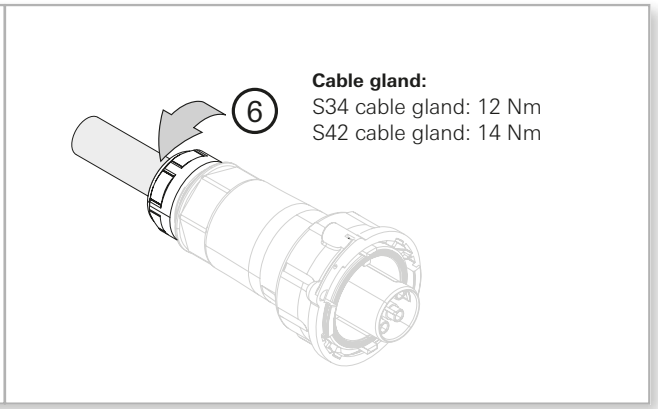
... Disconnect the crimp contacts



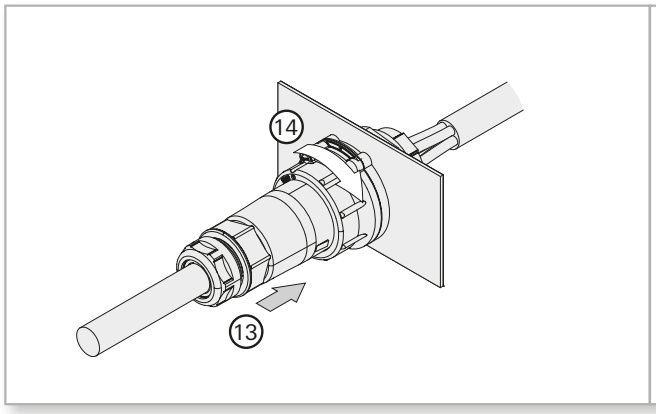
Secure the contact inserts ...



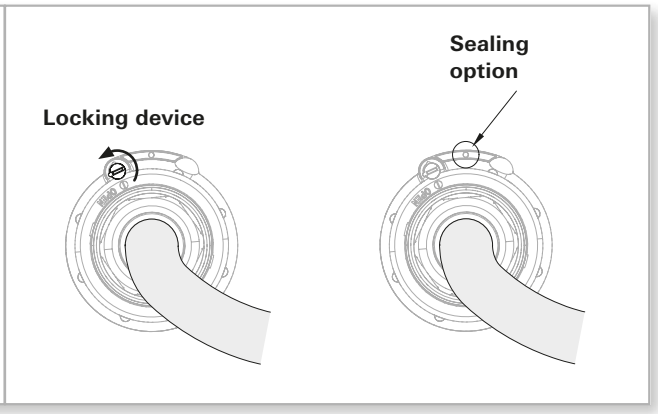
... Tighten the cable gland



Bayonet lock ...

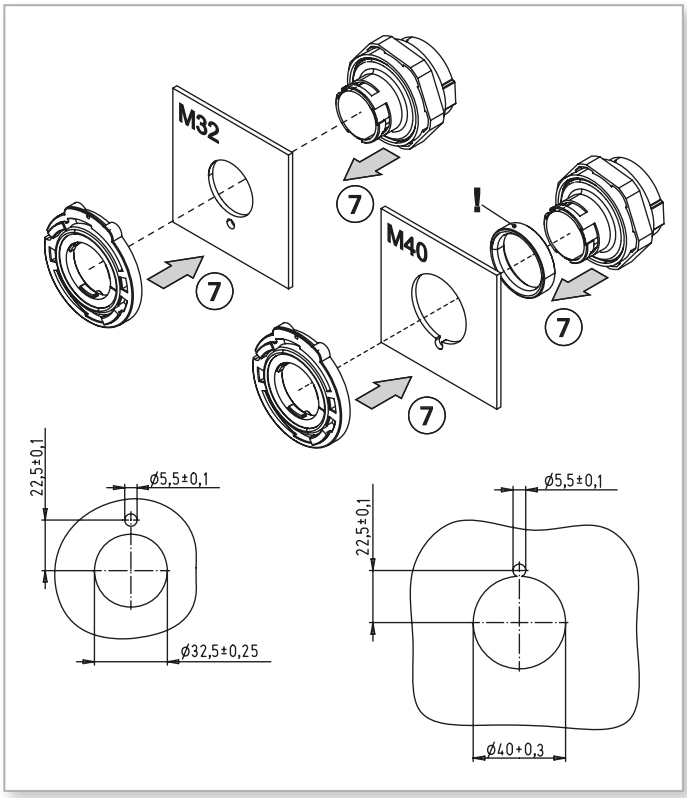


... and protection against unintentional disconnection

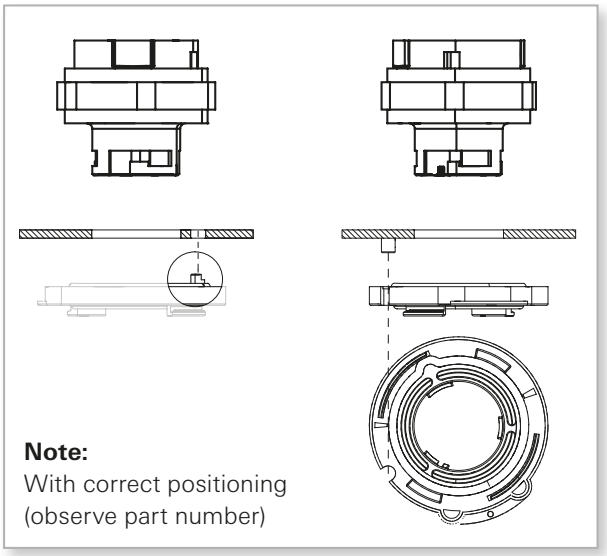


Device connections 4- and 5-pole

Mounting housing flange, dimensions in mm

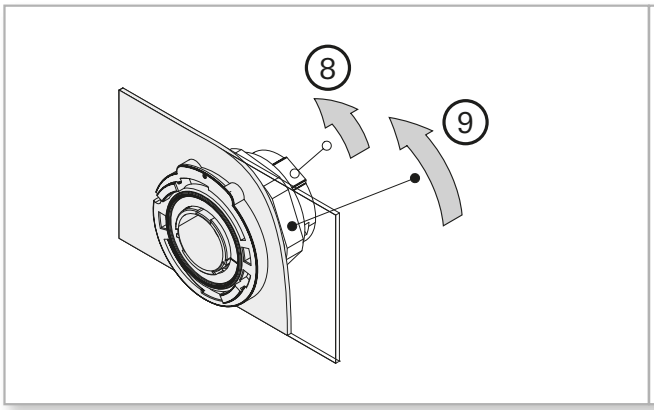


Positioning option

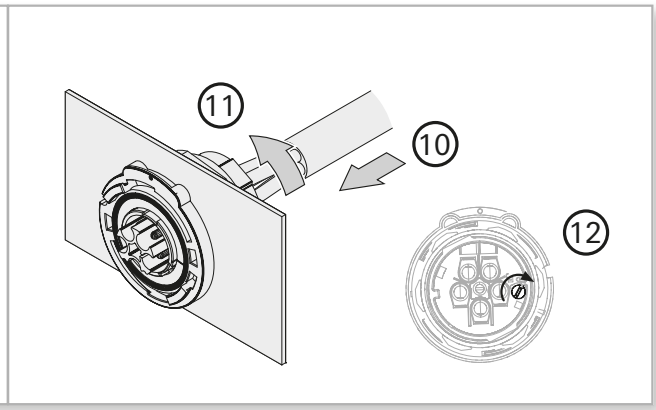


Note:
With correct positioning (observe part number)

Latching the housing flange ...



... securing the contact insert



Definition of IP protection degrees (DIN EN 60529-1)

Documentation: **Example: IP65**

1st digit 2nd digit

IP protection ratings against ingress of objects and contact

	Protection against contact	Protection against ingress of objects
0	no protection	no protection
1	Any large surface of the body (e.g. back of the hand)	Large foreign objects (> 50 mm in Ø)
2	Finger	Medium-sized foreign objects (> 12 mm in Ø)
3	Tools and wires (> 2.5 mm in Ø)	Small foreign objects (> 2.5 mm in Ø)
4	Tools and wires (> 1.0 mm in Ø)	Grain-shaped foreign objects (> 12 mm in Ø)
5	Complete protection against contact	Dust deposition
6	Complete protection against contact	Dust ingress ✓
7		
8		
9		

IP protection ratings against ingress of water

0	no protection
1	Protection against vertically falling water
2	Protection from diagonally (up to 15°) falling water drops
3	Protection against spraying water up to 60° to the vertical
4	Protection from splashing water from any direction
5	Protection against water jets ✓
6	Protected against powerful water jets ✓
7	Protection against temporary immersion in water ✓
8	Protection against continuous immersion in water ✓
9	Protection against high pressure, high temperature spray downs ✓

As an innovative installation system, Wieland offers a global concept for efficient outdoor installation and industrial application.

In many applications, electrotechnical devices and systems must reliably work for many years under tough environmental conditions. To ensure a reliable function, it is essential to prevent the penetration of humidity or particles (e.g. dust, oil, soot, etc.) in production plants, garages or in outdoor areas. Even an unplanned immersion is possible with the ***RST***® system within the scope of the specified degree of protection.

The system is not designed for permanent operation under water.
It is not possible to lay the components directly in the ground.
According to VDE 0100-520, connectors must be protected using suitable additional facilities and must be accessible for visual inspection, testing, and maintenance.
Refer also to the installation instructions.

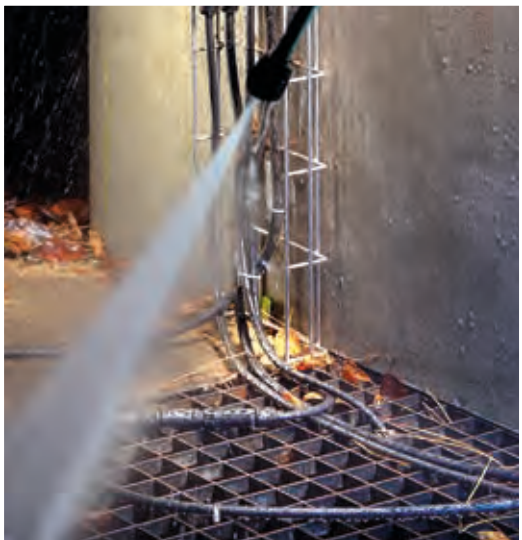
Degree of protection achieved:

IP65	Water jets
IP66	Powerful water jets
IP67	Temporary immersion
IP68	Continuous immersion (for 2 hours at a water depth of 3 m)
IP69	High-pressure spray down

Material resistance

Please contact us for applications under different conditions.			
UV light (use black-colored connectors!)	+	Motor oil (SAE 20W/55)	+
Oil and grease resistance	+	Nickel chloride	+
Aliphatic carbon hydride	+	Paraffin and paraffin derivates	+
Aromatic hydrocarbons	+	Phosphoric ester	+
Alcohols	+	Phthalic ester	+
Ammonia, water-free	+	Polyamide resin	+
Ammonium chloride (salmiac)	+	Polyester polyoles	+
Ammonium sulfate	+	Polyether polyoles	+
Barium chloride	+	Polyglycols	+
Beer	+	Polymeric softeners	+
Butter	+	Polyurethane resins	+
Butyl alcohol	+	Mercury	+
Calcium chloride, aqueous solution, 10%	+	Castor oil	+
Citric acid, aqueous solution, 10%	+	Salmiac	+
Ferric sulfide	+	Oxygen, RT	+
Ethyl ether	+	Lubricating oil (O-149), (not bunker oil, oil tankers)	+
Paint, varnish, with low sulphuric acid content	+	Sulfur, wet	+
Fruit juice, fruit acid	+	Sulfuric acid (diluted, RT)	+
Tannic acid	+	Sulfur hexafluoride	+
Glycerin	+	Sweat	+
Glysantine, aqueous solution, 40%	+	Sebacic acid ester	+
Potassium chloride	+	Spirits	+
Caustic potash solution, aqueous solution, 10%	+	Nitric acid (10%)	+
Sodium, aqueous solution, 10%	+	Hydrochloric acid (10%)	+
Linseed oil	+	Water, RT, free from chlorine up to 80 °C	+
Milk	+	Water: sea water resistance, artificial, 20 °C	+
Lactic acid, 20 °C	+	Stannic chloride, 20 °C, saturated	+

TÜV certificate for outdoor use



RST® long-term studies:

In addition to the tests required by the standard, a continuous test was performed over 14 months. During this time, the connectors were exposed to direct sunlight, frost and occasional flooding. For this purpose, the *RST*® components were installed in an eaves gutter and monitored by a 30 mA circuit breaker with the mains voltage applied. The following tests were performed in addition to the continuous test:
– Temperature change test (– 40 °C to + 60 °C)
Please observe overleaf installation instructions.

The complete test report can be ordered from our hotline using the phone number +49 951/9324-996.

Installation instructions for outdoor electrical installations

Outdoor electrical installations are particularly tricky. Constant temperature changes, high UV radiation, high ozone values and, not least, mechanical wear leading to material fatigue, water ingress, and, finally, system failure.

Installation instructions

A horizontal installation position is preferable in order to ensure that water drains off. In accordance with installation regulation IEC 60364-5-52 (DIN VDE 0100-522.3), cable systems must be designed in such a way that damage caused by the ingress of water is avoided.

Cable systems must satisfy the required degree of protection. If water can accumulate or water condensation can occur, provisions for water drainage must be made! This particularly applies to sealing points in the area of the strain relief.

If abrasion might occur (in flexible installations), wear of the pre-assembled cable must be taken into consideration and must be monitored.

Avoid any bending of the cable in the area of the strain relief.

Control mechanical bending in the area of the strain relief using suitable measures (e.g. cable clamps).

Laying of the system components directly in the ground is not possible. According to VDE 0100-520, connectors must be protected using suitable additional facilities and must be accessible for visual inspection, testing, and maintenance.

The connector system is not designed for continuous operation under water. However, unplanned immersion is possible as foreseen by the specification.

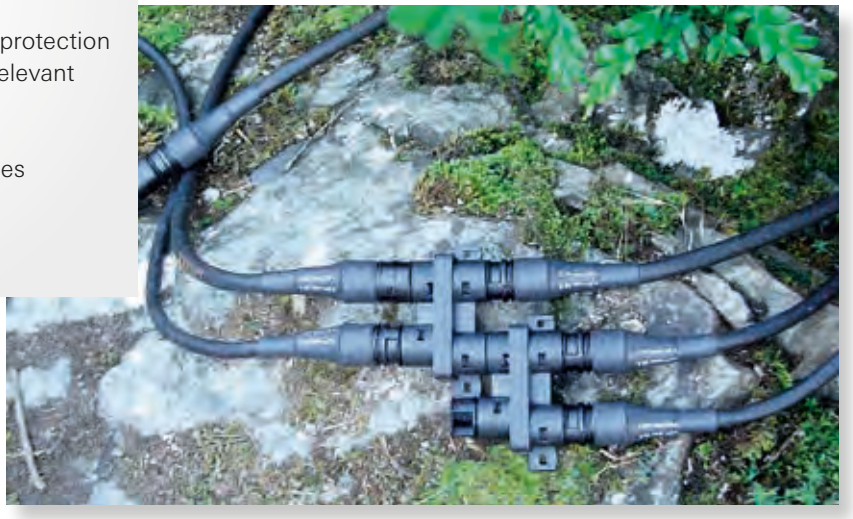
Connectors for equipment with protection class II

Connectors from Wieland that are type-tested as per EN 61535 can be used in equipment with protection class II meeting pollution degree 2. They fulfill the requirements of protection class II of the next higher overvoltage category for clearances (6 kV).

Assembly parts have to provide contact protection for double or reinforced insulation. The relevant technical standards must be observed.

We recommend using the product families GST18®, GST15, RST20 and RST16.

Further information can be found in our White Paper „Installation instructions for outdoor electrical installations“, order no. 0693.1



... always the right cable

What is crucial for the durability of your unit is the perfect interaction between the materials used in order to defy the environmental conditions.

While all connectors and distribution units are designed for continuous indoor and outdoor operation, the cables are clearly a different matter. Selection of the appropriate cable plays a major role for continuous operation of the installation.

By default, we offer the low-cost H05VV-F cable, but its field of applications is restricted to indoor areas. This cable is not suitable for outdoor areas and constantly humid or wet rooms! Protection from foreign bodies (IP6X) is at the fore here. Temporary wetness for cleaning purposes, however, is allowed.

Temporary outdoor installations without special demands can be implemented using H07RN-F rubbersheathed cables. However, it is essential to check whether or not any additional action, such as laying inside installation pipes, is required.

If installations will be directly exposed to environmental influences for some time, the selection of a suitable cable must be discussed with Wieland.

PVC cable H05VV-F

Use inside dry rooms,
not outdoors, not directly in the ground.
Not UV resistant.
Minimum bending radius: 4 x outside diameter
Service temperature: 70 °C



Rubber-sheathed cable H07RN-F

Use inside dry, and wet rooms, as well as outdoors, but not directly in the ground.
Limited UV resistant..
Minimum bending radius: 4 x outside diameter
Service temperature: 60 °C



Rubber-sheathed cable H07RN-F (enhanced version)

Use in dry, humid and wet rooms, as well as outdoors. UV and Ozon resistant. Cable halogen-free and flame retardant. Laying of the cable not directly in the ground.
Minimum bending radius: 4 x outside diameter
Service temperature: von -50 °C bis +90 °C



Part number | page

You can find the direct assignment of approvals and part numbers in the internet in the eShop under http://eshop.wieland-electric.com, or consult us.

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Ergebnisse AC
Einspeiseleitung Ergebnisse
Last Ergebnisse
wieland

Products and systems
Service and attendance are granted

Ranging from *smart* installation, automation, safety technology up to terminal blocks and PC board terminals – Wieland Electric is active in most areas of automation systems and appears as a driving force for innovation within the industry.

In the business segment of building system technology, Wieland Electric with their ***gesis***® system is a global market leader in pluggable electric installation – from indoor and outdoor applications up to intelligent building automation.

Wieland accomplish their product portfolio for the users providing workshops for the implementation of new guidelines and standards as well as for the implementation of risk assessments. These services are also offered on a customer-specific basis. In this context, our focus is on application-oriented solutions and competent consulting.

The flexible use of buildings does not only require an appropriate design during construction. The documentation of the installed systems must also meet these requirements.
Documenting the installed components plays a vital role. Wieland creates installation and wiring plans according to your specifications

Service & attendance

Information brochures, planning and calculation tools for order placement or download from our websites complement our portfolio:

- ***wieplan*** CLICK*2*BUY – configuration software
- ***revos*** PLAN – configurator
- ***podis***®PLAN – configurator
- ***gesis***®PLAN – 3D visualization/calculation/application
- **eShop**
- **Building design**
- **Workshops and support**
- **Wie-Service24**

Online remote maintenance portal for easiest and most secure VPN remote maintenance

This offers planning safety across the entire lifecycle of an installation.

Wieland at a glance

Our range of products and services for your industry

Product portfolio

- Electronic and electrical engineering for the control cabinet
- Safety technology
- Network and fieldbus systems
- Energy bus systems for industry and buildings
- Connectors up to protection rating IP6X
- Building automation
- PCB terminals and plug connectors
- Sensor/actuator cabling

Industries

- Machine building
- Construction machines & cranes
- Buildings and lighting
- Logistics
- Power engineering
- Renewable energy sources
- Heating and air conditioning systems

Business services

- Pre-assembly and wiring
- Product labeling service
- Integrated solutions in distributors
- Customized solutions
- On-site project support
- Optimization of decentralized, pluggable installation solutions
- Certified machine safety tests

Safety training

- Software validation
- CSE Certified Safety Engineer
- Basic principles and standards of functional safety
- Modification of old machinery and major changes
- Design of safety functions and calculation with Sistema
- Machinery Directive, liability issues, and CE Declarations of Conformity

Software/configuration tools

- ***wieplan*** CLICK2BUY, configuration of terminal strips with online ordering function
- ***wieprint***, marking system for DIN rail terminal blocks
- ***revos*** configurator for connectors
- ***gesis***® PLAN for building installation
- ***podis***® PLAN for configuring the ***podis***® energy bus system
- ***samos***® PLAN 6, programming tool for ***samos***® PRO COMPACT
- ***hmi*** PLAN, visualization software for HMI touch panels

Why Wieland?

- Standardized industrial solutions
- Customized solutions
- Support for your project
- Broad product portfolio
- Products usable worldwide due to international licenses
- Group-wide observance of human rights, including at suppliers
- Eco-friendly production

Technical consultation

and general information

Use the Wieland hotline – a phone call is all it takes

Industrial automation, electromechanical

Hotline **+49 951 9324-991**
E-mail **AT.TS@wieland-electric.com**

Building and installation technology

Hotline **+49 951 9324-996**
E-mail **BIT.TS@wieland-electric.com**

Industrial automation, electronics

Hotline **+49 951 9324-995**
E-mail **AT.TS@wieland-electric.com**

Safety technology

Hotline **+49 951 9324-999**
E-mail **safety@wieland-electric.com**

eShop

Our products can also be found in our online shop at:

eshop.wieland-electric.com

Info & News

Contact your local partner in over 70 countries:

www.wieland-electric.com

wieland

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Fax +49 951 9324-198
info@wieland-electric.com
www.wieland-electric.com

Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, tension spring or push-in connection technology
  - Wire cross sections up to 300 mm²
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safe signal acquisition
  - Safety switching devices
  - Modular safety modules
  - Compact safety controllers
  - Application consulting and training
- Network engineering and fieldbus systems
  - Remote maintenance via VPN industrial router and VPN service portal
  - Industrial Ethernet switches
  - PLC and I/O systems, standard and increased environmental conditions
- Interface
  - Power supply units
  - Overvoltage protection
  - Coupling relays, semiconductor switches
  - Timer relays, measuring and monitoring relays
  - Analog coupling and converter modules
  - Passive interfaces

Solutions for field applications

- Decentralized installation and automation technology
  - Electrical installation for wind tower
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Rectangular and round connectors
  - Aluminium or plastic housings
  - Degree of protection up to IP 69
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application-specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 2.5 mm to 10.16 mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
  - Main power supply connectors IP 20/IP 65 ... IP 69
  - Bus connectors
  - Low-voltage connectors
  - Power distribution system with flat cables
  - Distribution systems
  - Room automation with KNX, EnOcean, SMI and DALI
  - DIN rail terminal blocks for electrical installations
  - Overvoltage protection

0690.1 K 07/18

contacts are green.