

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.

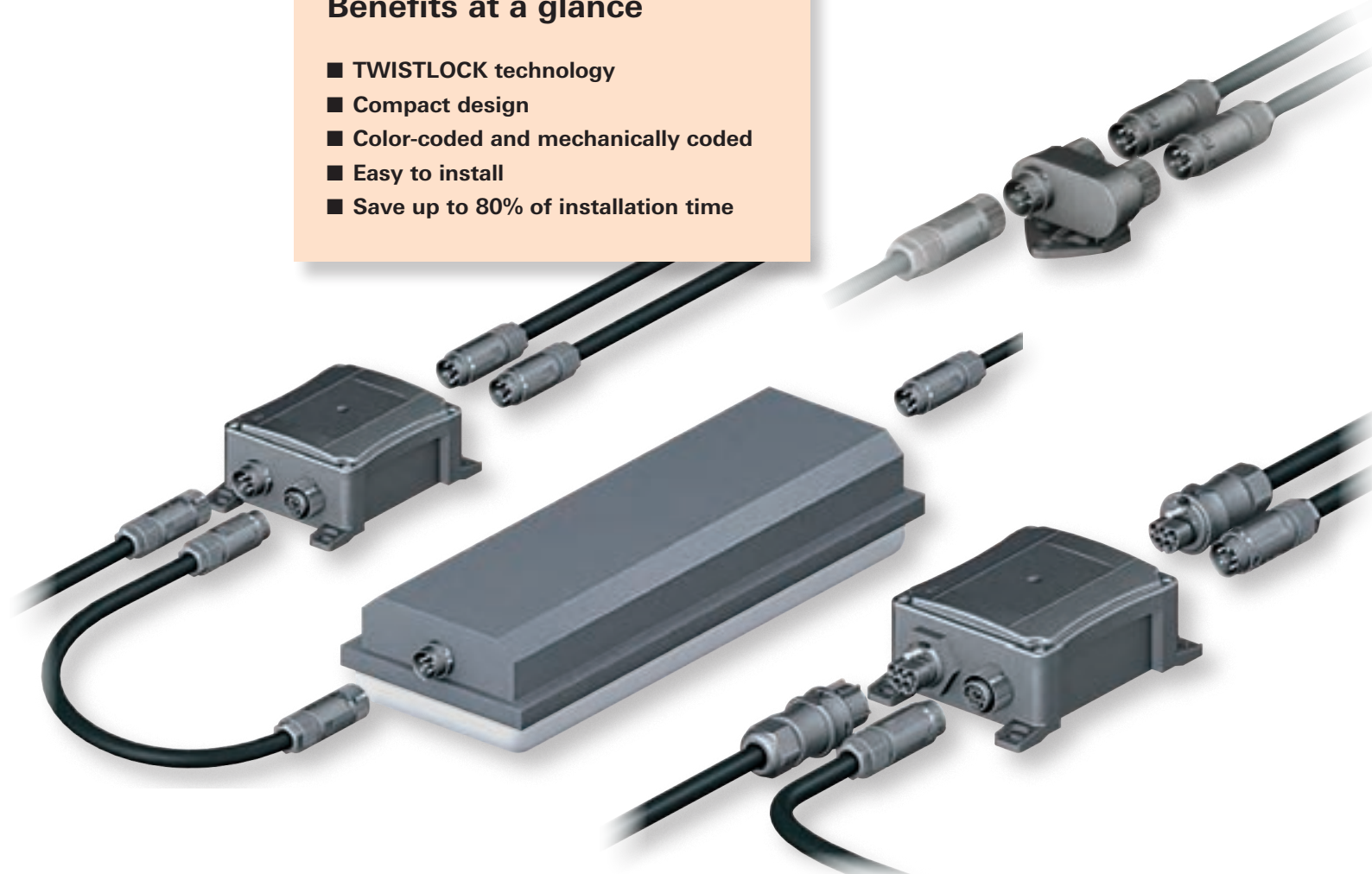
The 2- to 5-pole plug connectors and device connectors have been designed for 250/400V and 16A and are all available in the screw connection technology that electricians trust.

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.

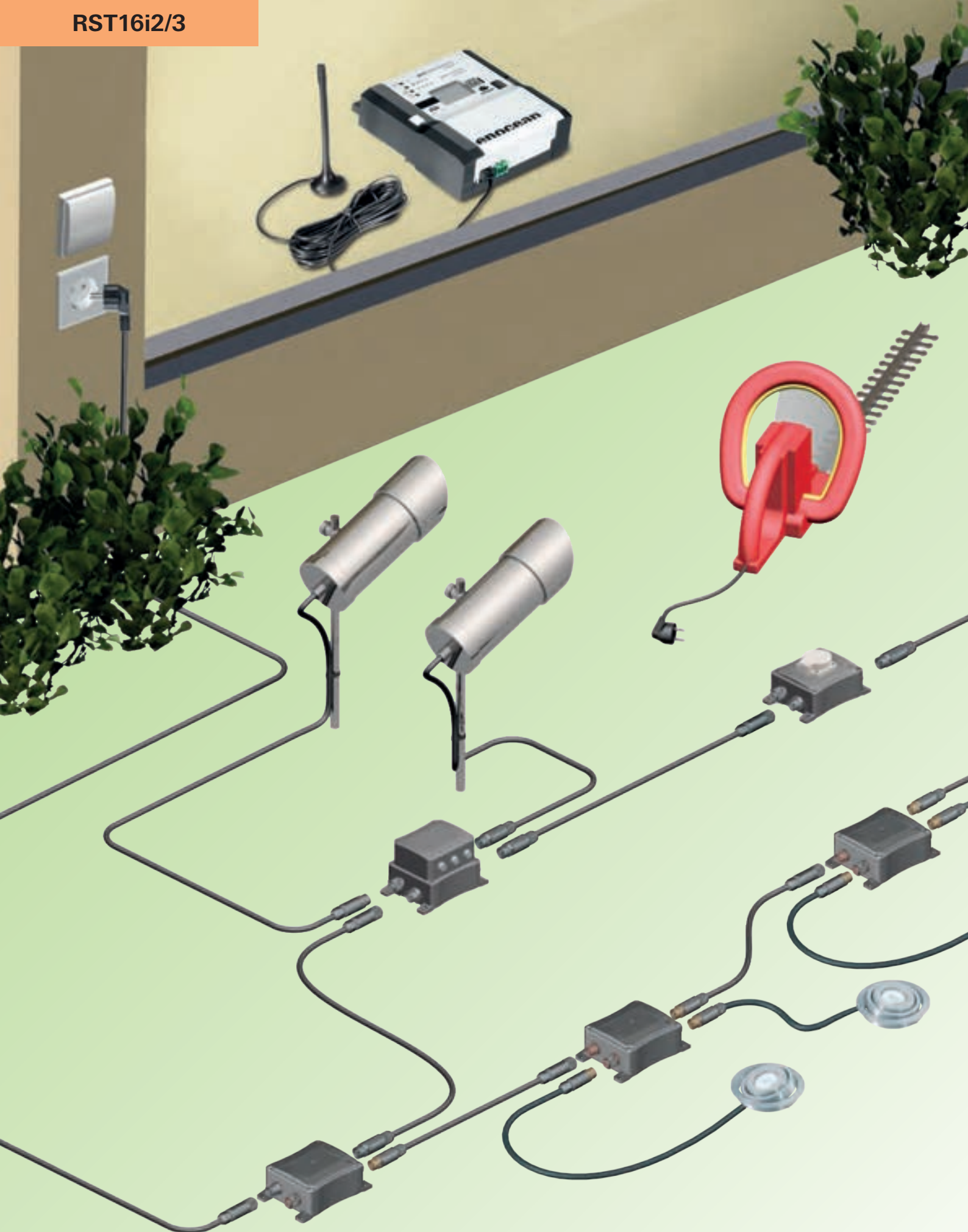
**click
& safe**

Close

**automatic
locking mechanism**

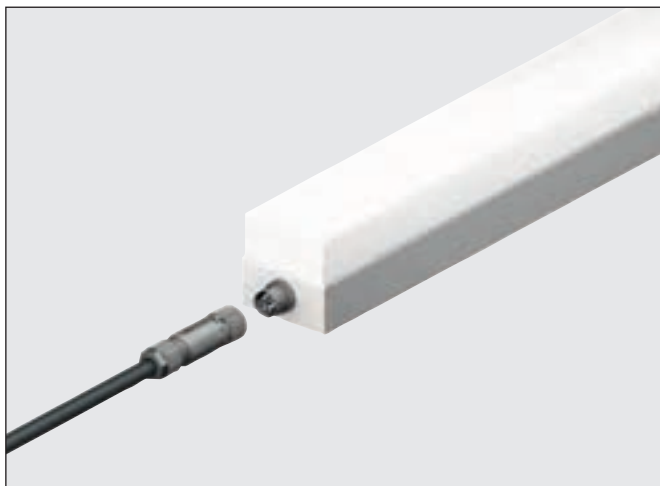
RST® MINI

Open



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.

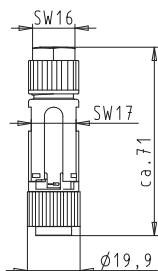
The connectors are also available in a 2-pole variant. This is based on the 3-pole housing, but with one pole not configured.

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 mm²⁾

Female connector

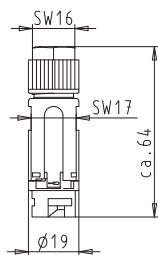


Rated values

| | |
|---------------------|--|
| Rated voltage | 250/400V |
| Rated current | 16A |
| Rated cross-section | 0.25 to 1.5 mm ² (up to 1.0 mm ² suitable for ferrules), 2.5 mm ² 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 mm ² (up to 1.0 mm ² suitable for ferrules), 2.5 mm ² 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

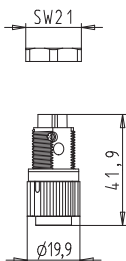
²⁾ Other diameters available upon request. Please note: Individual H07RN-F 1.5 cables can have a diameter of more than 9.5 mm.

M16 device connections straight

Female connector



For housing cut-out see
Technical Data



Rated values

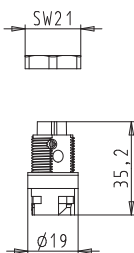
| | |
|---------------------|--|
| Rated voltage | 250/400V |
| Rated current | 16A |
| Rated cross-section | 0.25 to 1.5 mm ² (up to 1.0 mm ² suitable for ferrules), 2.5 mm ² rigid |
| Approvals | VDE, cULus being prepared: LR, DNV/GL, RINA, BV |
| Wall thicknesses | up to 8 mm |

| 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 mm ² (up to 1.0 mm ² suitable for ferrules), 2.5 mm ² 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 |

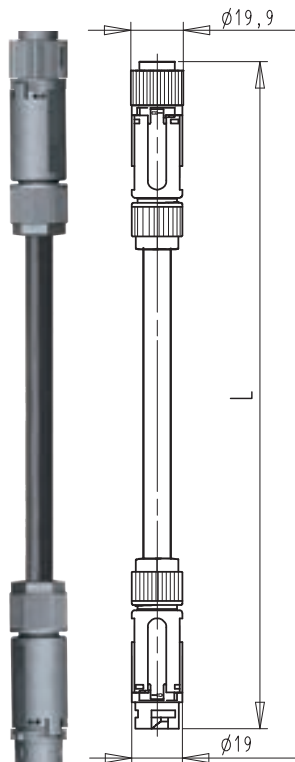
¹⁾ One pole not configured

Cable assemblies

1.5 mm²; 16 A

| Rated values | | | Connection type of cable | cable gland |
|-------------------------|------------------|------------------|--------------------------|-------------|
| Wire ends | (open cable end) | ultrason. welded | Interlock | integrated |
| Sheath strip length | (open cable end) | 35 mm | Color cable | black |
| Insulation strip length | (open cable end) | 9 mm | Color handle shell | black |

Connection cables female – male



**250V
black
3-pole**



**250V
black
2-pole**



**~50/-120V
signal brown
2-pole**

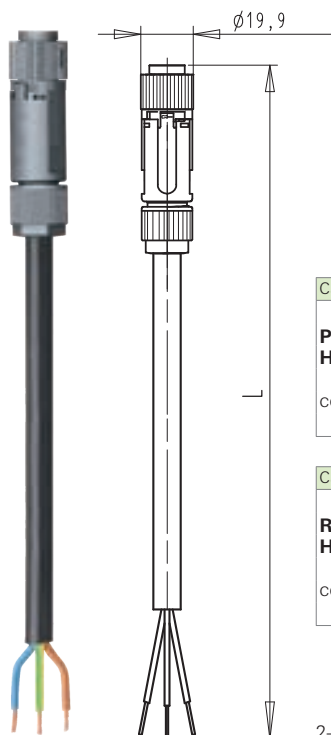


| Cable | Length m | Part No. | Part No. | Part No. |
|--|----------|---------------|---------------|---------------|
| PVC cable H05VV-F containing halogen | 0.5 | 46.432.0500.1 | 46.422.0500.1 | 46.422.0502.4 |
| | 1 | 46.432.1000.1 | 46.422.1000.1 | 46.422.1002.4 |
| | 2 | 46.432.2000.1 | 46.422.2000.1 | 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 | Part No. | Part No. | 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



**250V
black
3-pole**



**250V
black
2-pole**



**~50/-120V
signal brown
2-pole**



| Cable | Length m | Part No. | Part No. | 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 |

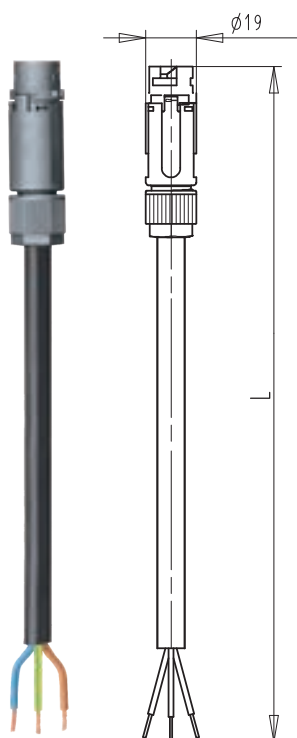
| Cable | Length m | Part No. | Part No. | Part No. |
|--|----------|---------------|---------------|---------------|
| Rubber-sheathed cable H07RN-F containing halogen | 0.5 | 46.432.0533.1 | 46.422.0533.1 | 46.422.0537.4 |
| | 1 | 46.432.1033.1 | 46.422.1033.1 | 46.422.1037.4 |
| | 2 | 46.432.2033.1 | 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



**250V
black
3-pole**



**250V
black
2-pole**



**~50/-120V
signal brown
2-pole**



| Cable | Length m | Part No. | Part No. | Part No. |
|--|----------|---------------|---------------|---------------|
| 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 | |



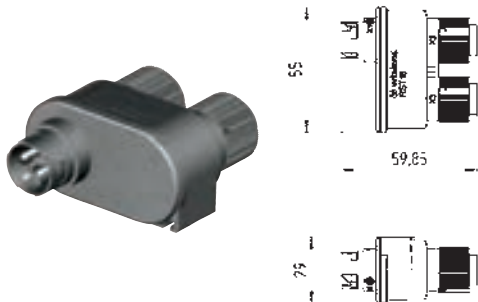
Distribution units

| | | | |
|----------------------------|---------------------|-----------------|------------------------------------|
| Compact distribution units | | pre-wired with | 1.5 mm ² (halogen free) |
| Dimensions | 104 x 162 x 57.2 mm | Mounting option | Yes |



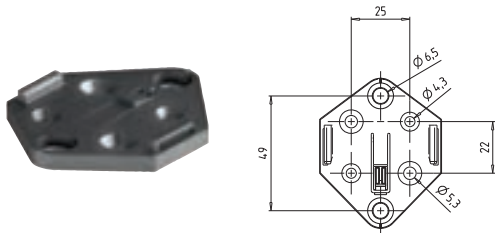
| Color | Application | Pole marking | Input | Outputs | Part No. |
|----------------|-------------------------|--------------|-------|---------|---------------|
| black | 250V | L, N, PE | 1 | 3 | 46.030.0153.1 |
| light gray | 250V | L, N, PE | 1 | 3 | 46.030.0153.0 |
| black | 250V | L, N | 1 | 3 | 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 |



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 | for male |
|--------------|---------------------------|---------------------------|
| ■ light gray | Part No. 06.563.8653.0 | Part No. 06.563.8853.0 |
| ■ black | 06.563.8653.1 | 06.563.8853.1 |

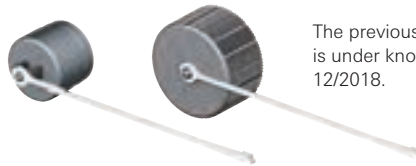
for female

for male



captive against loss

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



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

Sample kit

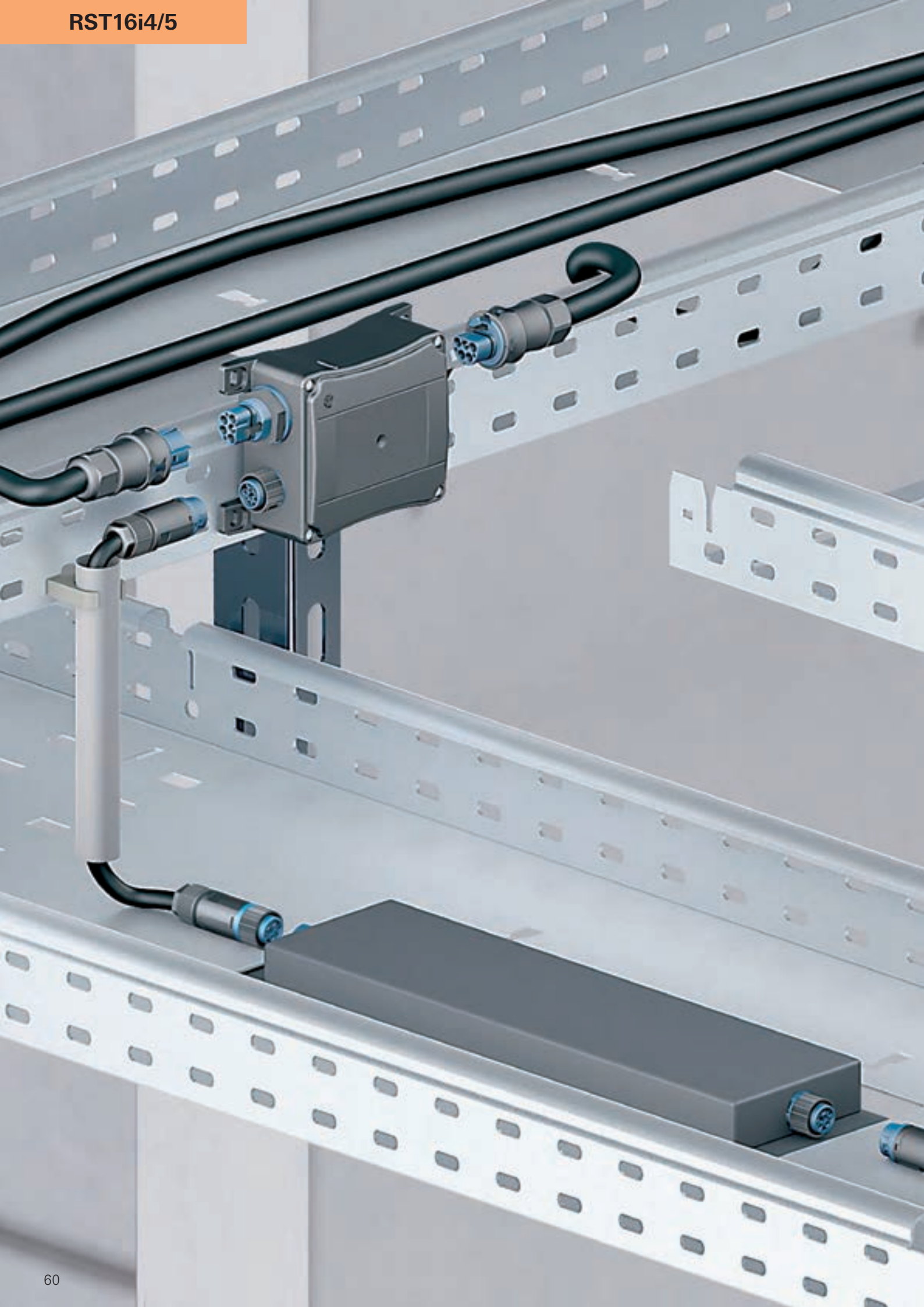
Contents:

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



Name
Sample Kit

Part No.
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.

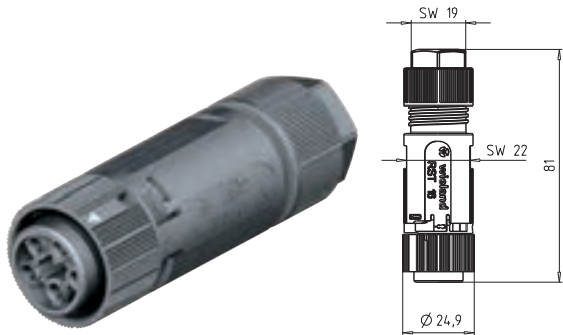
The codings are also available in a 4-pole variant. This is based on the 5-pole housing, but with one pole not configured.

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 mm²⁾

Female connector

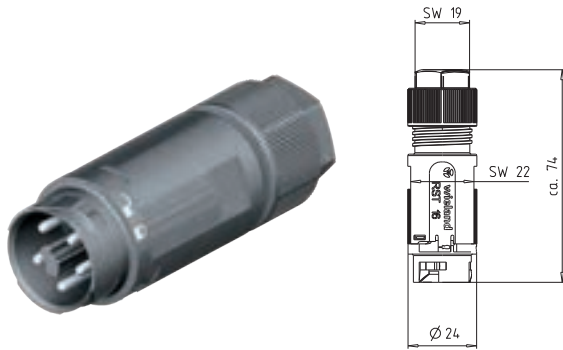


Rated values

| | |
|---------------------|--|
| Rated voltage | 250/400V |
| Rated current | 16A |
| Rated cross-section | 0.25 to 2.5 mm ² (up to 1.5 mm ² 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 | 46.051.4553.1 |
| | | 1, 2, 3, PE ¹⁾ | light gray | 46.051.4553.0 |
| | | L, N, PE, 1, 2 | turquoise | 46.051.4554.1 |
| | | 1, 2, 3, 4, 5 | light blue | 46.051.4554.0 |
| ~50/-120V | | 1, 2, 3, 4, 5 | signal brown | 46.051.4553.6 |
| | | 1, 2, 3, 4 ¹⁾ | signal brown | 46.051.4553.9 |
| | | | | 46.051.4550.4 |
| | | | | 46.051.4551.4 |

Male connector



Rated values

| | |
|---------------------|--|
| Rated voltage | 250/400V |
| Rated current | 16 A |
| Rated cross-section | 0.25 to 2.5 mm ² (up to 1.5 mm ² 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 | 46.052.4553.1 |
| | | 1, 2, 3, PE ¹⁾ | light gray | 46.052.4553.0 |
| | | L, N, PE, 1, 2 | turquoise | 46.052.4554.1 |
| | | 1, 2, 3, 4, 5 | light blue | 46.052.4554.0 |
| ~50/-120V | | 1, 2, 3, 4, 5 | signal brown | 46.052.4553.6 |
| | | 1, 2, 3, 4 ¹⁾ | signal brown | 46.052.4553.9 |
| | | | | 46.052.4550.4 |
| | | | | 46.052.4551.4 |

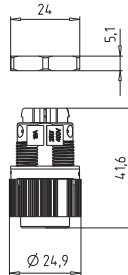
¹⁾ One pole not configured
²⁾ Other diameters available upon request

M20.2 device connector straight

Female connector



For housing cut-out see
Technical Data



Rated values

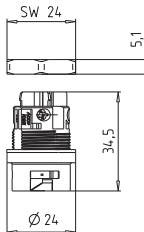
| | |
|---------------------|--|
| Rated voltage | 250/400V |
| Rated current | 16A |
| Rated cross-section | 0.25 to 2.5 mm ² (up to 1.5 mm ² suitable for ferrules) |
| Approvals | VDE, cULus, CSA, LR, DNV/GL, RINA, BV being prepared |
| Wall thicknesses | up to 5 mm |

| Application | Coding | Pole marking | Color | Part No. |
|------------------------------|--------|---------------------------|--------------|---------------|
| with screw connection | | | | |
| 250/400V | | 1, 2, 3, N, PE | black | 46.051.5053.1 |
| | | 1, 2, 3, PE ¹⁾ | light gray | 46.051.5053.0 |
| | | L, N, PE, 1, 2 | turquoise | 46.051.5054.1 |
| | | 1, 2, 3, 4, 5 | light blue | 46.051.5054.0 |
| ~50/-120V | | 1, 2, 3, 4, 5 | signal brown | 46.051.5053.6 |
| | | 1, 2, 3, 4 ¹⁾ | signal brown | 46.051.5053.9 |
| | | | | 46.051.5050.4 |
| | | | | 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 mm ² (up to 1.5 mm ² suitable for ferrules) |
| Approvals | VDE, cULus, CSA, LR, DNV/GL, RINA, BV being prepared |
| Wall thicknesses | up to 5 mm |

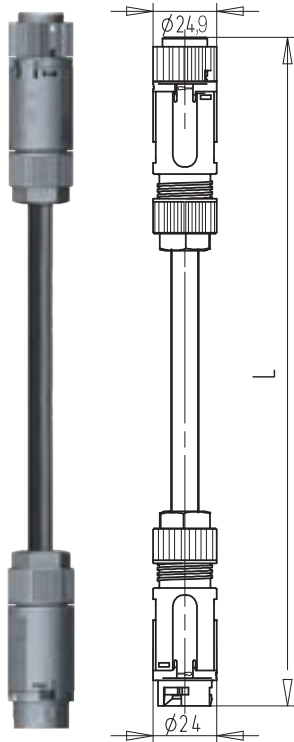
| Application | Coding | Pole marking | Color | Part No. |
|------------------------------|--------|---------------------------|--------------|---------------|
| with screw connection | | | | |
| 250/400V | | 1, 2, 3, N, PE | black | 46.052.5053.1 |
| | | 1, 2, 3, PE ¹⁾ | light gray | 46.052.5053.0 |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

¹⁾ One pole not configured

Cable assemblies
1.5 mm²; 16 A

| Rated values | | | Connection type of cable | | cable gland |
|-------------------------|------------------|------------------|--------------------------|------------|-------------|
| Wire ends | (open cable end) | ultrason. welded | Interlock | integrated | |
| Sheath strip length | (open cable end) | 35 mm | Color cable | black | |
| Insulation strip length | (open cable end) | 9 mm | Color handle shell | black | |

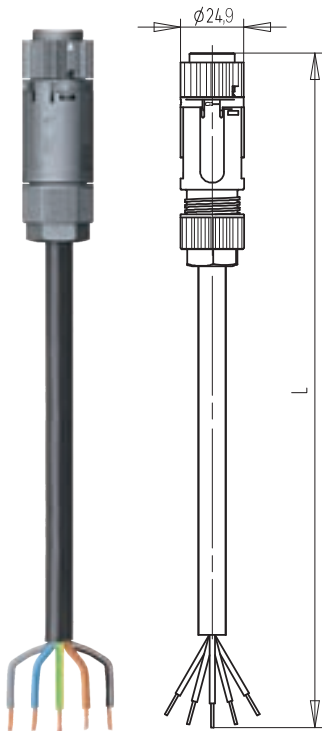
Connection cables female – male



| Cable | Length m | Part No. | 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 | Part No. | 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

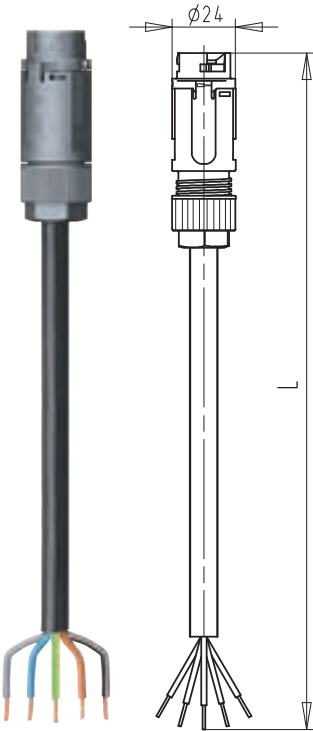




| Cable | Length m | Part No. | Part No. |
|--|----------|---------------|---------------|
| PVC cable H05VV-F containing halogen | 0.5 | 46.452.0503.1 | 46.452.0503.6 |
| | 1 | 46.452.1003.1 | 46.452.1003.6 |
| | 2 | 46.452.2003.1 | 46.452.2003.6 |
| | 3 | 46.452.3003.1 | 46.452.3003.6 |
| | 4 | 46.452.4003.1 | 46.452.4003.6 |
| | 5 | 46.452.5003.1 | 46.452.5003.6 |

| Cable | Length m | Part No. | 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 |

Cable assemblies
1.5 mm²; 16 A

Connection cables male – free end



| | | 250/400V black 5-pole | 250V turquoise 5-pole |
|--|----------|--|---|
| | |  |  |
| Cable | Length m | Part No. | 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 |

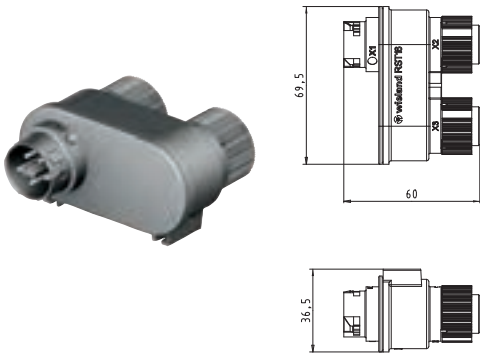
Distribution units

| | | | |
|----------------------------|---------------------|-----------------|---------------------|
| Compact distribution units | | pre-wired with | 1.5 mm ² |
| Dimensions | 104 x 162 x 57.2 mm | Mounting option | yes |



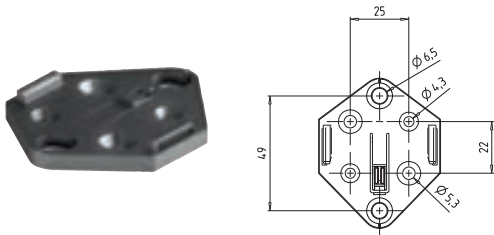
| Color | Application | Pole marking | Input | Outputs | Part No. |
|------------------|-------------------------|----------------|-------|---------|---------------|
| ■ black | 250/400V | 1, 2, 3, N, PE | 1 | 3 | 46.050.0153.1 |
| ■ light gray | 250/400V | 1, 2, 3, N, PE | 1 | 3 | 46.050.0153.0 |
| ■ 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 11/20 | | 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 |



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 | for male |
|--------------|---------------------------|---------------------------|
| ■ light gray | Part No. 06.563.9053.0 | Part No. 06.563.9253.0 |
| ■ black | 06.563.9053.1 | 06.563.9253.1 |

for female

for male



captive against loss

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



The previous version with plug on function 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 11/20 with mounting plate.
- Content system GST18: version 5 pole in pastel blue: flat cable with adapter, T-distributor 11/20, 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:

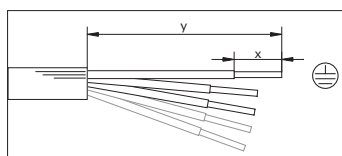
according to IEC 61535
100x without load and
50x under nominal load (cos phi = 0.6)

Approvals:

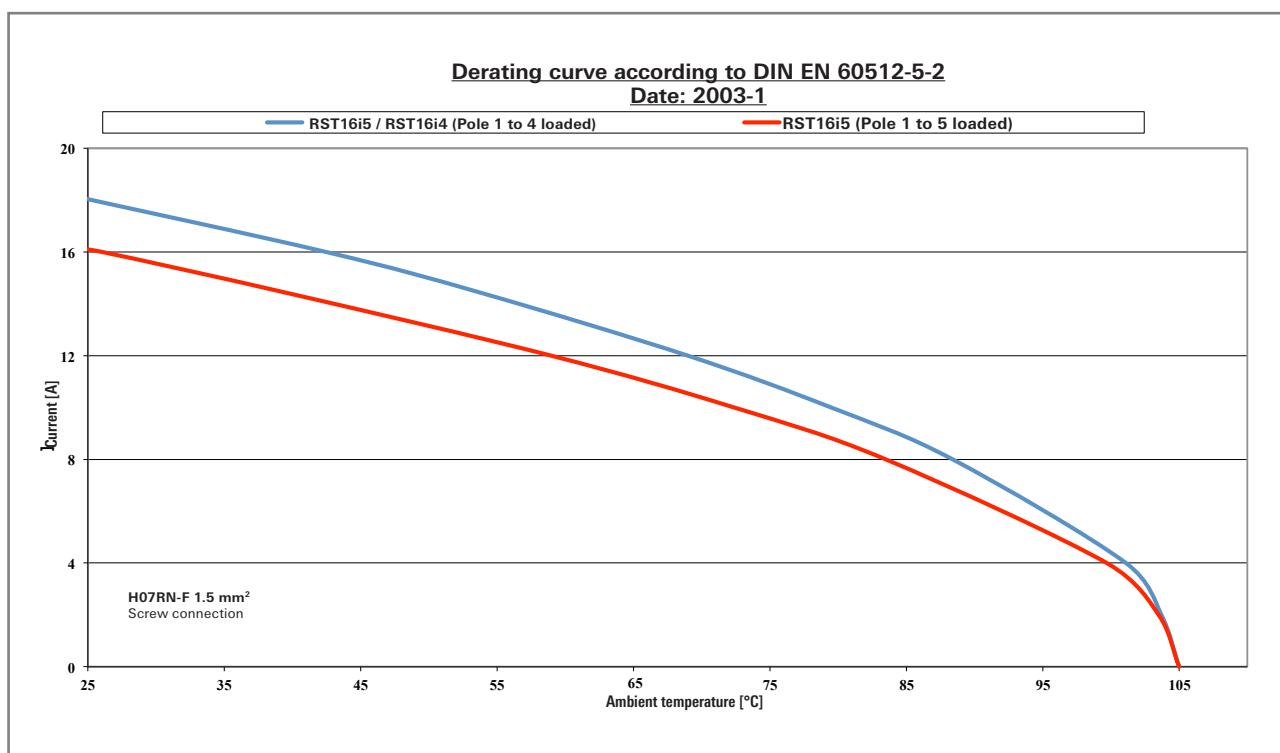
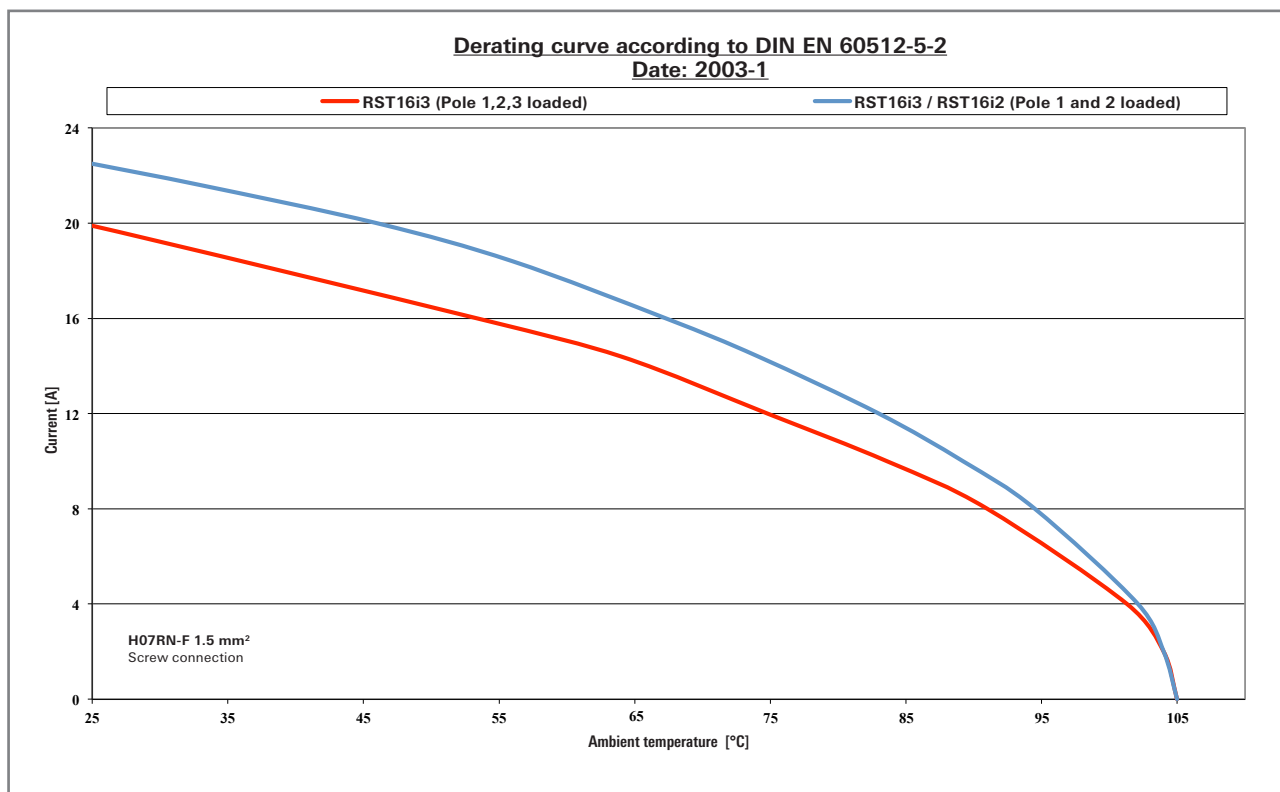
VDE (IEC 61535)
UL (UL 2238 / UL 1977)
CSA (C22.2 No.182.1 / C22.2 No.182.3)
RINA, LR, DNV/GL, BV

Wire strip lengths

fine-stranded (suitable for ferrules)

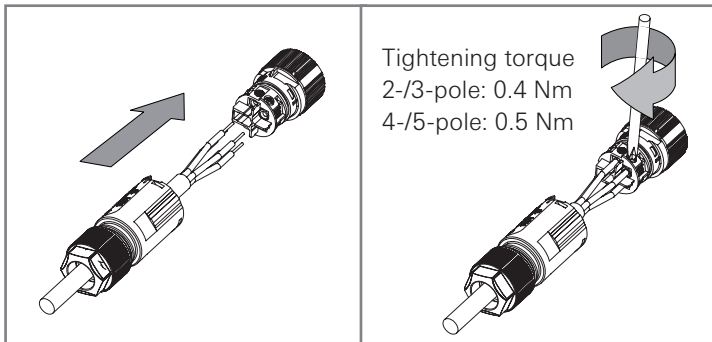


| Conductor | PE | N, L, 1, 2, 3 |
|----------------------------|----|---------------|
| Sheath strip length y (mm) | 30 | 25 |
| Wire strip length x (mm) | 8 | 8 |

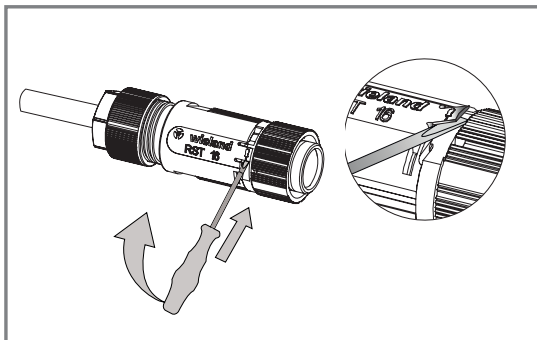


Connectors 2-/3- and 4-/5-pole

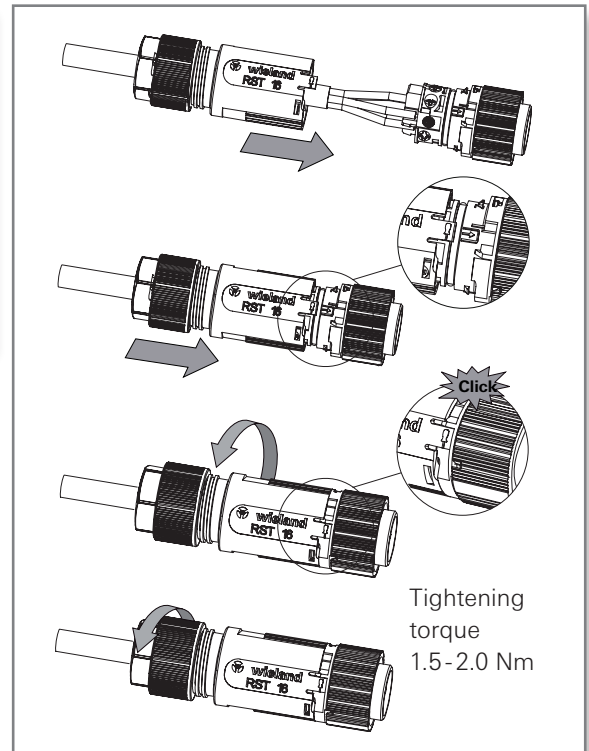
Wire connection



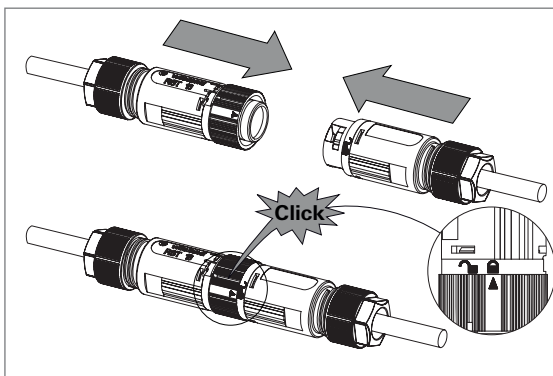
Opening the connector



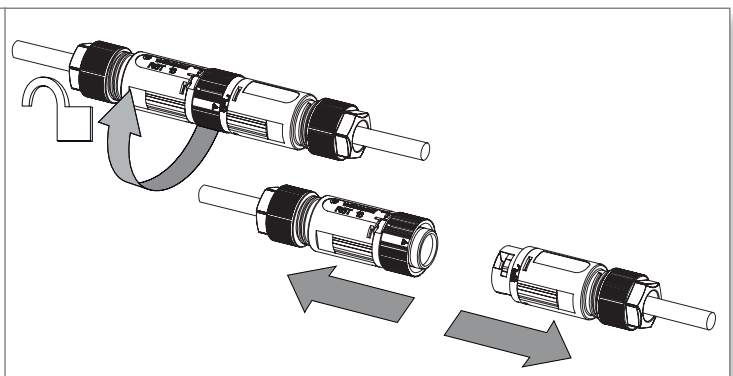
Closing



Plugging and locking



Unlocking and separating

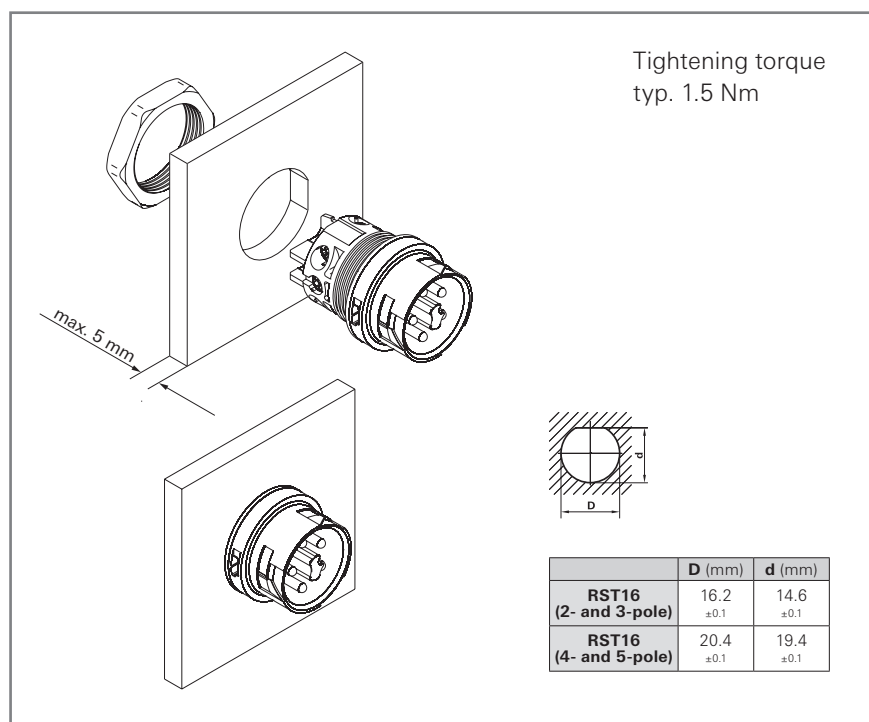


Please note that electrical connections and installation shall only be done by trained experts.
Observe the included installation instructions!

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



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