

**RCK-TGUM/BL16+3/10,0PUR-U**

Order No.: 1684069

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684069>

Female connector, Number of positions: 19, Status indication: No,  
Cable length: 10 m, Shielding: No

**Commercial data**

|                          |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | D192                                                                               |
| Pack                     | 1 pcs.                                                                             |
| Customs tariff           | 85444290                                                                           |
| Catalog page information | Page 128 (PC-2009)                                                                 |

**Product notes**

WEEE/RoHS-compliant since:  
04/28/2006



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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**Technical data****General data**

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| Rated voltage                   | 150 V                                                 |
| Number of positions             | 19                                                    |
| Degree of protection            | IP65/IP67                                             |
| Ambient temperature (operation) | -40 °C ... 125 °C (Male connector / female connector) |

#### Master cable data

|                    |            |
|--------------------|------------|
| Type of connection | M23 socket |
| Length of cable    | 10 m       |

#### Insulation material

|                                                          |             |
|----------------------------------------------------------|-------------|
| Housing material                                         | PUR         |
| Material of contact, master cable side                   | CU alloy    |
| Material of contact surface, master cable side           | Gold-plated |
| Material of the contact carrier on the master cable side | PA          |

#### Connection assignment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Slot/position = pin = conductor color | 1 / 4 (A) = 15 = WH         |
|                                       | 1 / 2 (B) = 7 = GY/PK       |
|                                       | 2 / 4 (A) = 5 = GN          |
|                                       | 2 / 2 (B) = 4 = RD/BU       |
|                                       | 3 / 4 (A) = 16 = YE         |
|                                       | 3 / 2 (B) = 8 = WH/GN       |
|                                       | 4 / 4 (A) = 3 = GY          |
|                                       | 4 / 2 (B) = 14 = BN/GN      |
|                                       | 5 / 4 (A) = 17 = PK         |
|                                       | 5 / 2 (B) = 9 = WH/YE       |
|                                       | 6 / 4 (A) = 2 = RD          |
|                                       | 6 / 2 (B) = 13 = YE/BN      |
|                                       | 7 / 4 (A) = 11 = BK         |
|                                       | 7 / 2 (B) = 10 = WH/GY      |
|                                       | 8 / 4 (A) = 1 = VT          |
|                                       | 8 / 2 (B) = 18 = GY/BN      |
|                                       | 1-8 / 1 (+ 120 V) = 19 = BN |
|                                       | 1-8 / 3 (0 V) = 6 = BU      |
|                                       | 1-8 / 5 (PE) = 12 = GN/YE   |

#### Conductor data

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Cable type         | Master cable suitable for flexible cable conduit |
| Cable abbreviation | LiYY11Y-HF                                       |
| UL AWM Style       | 20549                                            |

|                                               |                                                            |
|-----------------------------------------------|------------------------------------------------------------|
| Conductor cross section                       | 16x 0.5 mm <sup>2</sup> (signal line)                      |
|                                               | 3x 1 mm <sup>2</sup> (power line)                          |
| AWG signal line                               | 20                                                         |
| Conductor structure signal line               | 28x 0.15 mm                                                |
| AWG power supply                              | 17                                                         |
| Conductor structure, voltage supply           | 56x 0.15 mm                                                |
| Core diameter including insulation            | 1.5 mm ±0.1 mm (signal line)                               |
|                                               | 2.1 mm ±0.1 mm (power line)                                |
| External cable diameter                       | 10.50 mm                                                   |
| External sheath, color                        | Deep black RAL 9005                                        |
| Nominal voltage, conductor                    | 300 V                                                      |
| Test voltage, conductor                       | 2000 V                                                     |
| Overall twist                                 | Wires twisted in layers                                    |
| Outer sheath, material                        | PUR                                                        |
| Material, inner sheath                        | PVC                                                        |
| Material conductor insulation                 | PVC                                                        |
| Conductor material                            | Bare Cu litz wires                                         |
| Smallest bending radius, fixed installation   | 105 mm                                                     |
| Smallest bending radius, movable installation | 105 mm                                                     |
| Number of bending cycles                      | 1500000                                                    |
| Bending radius                                | 105 mm                                                     |
| Traversing path                               | 2 m                                                        |
| Traversing rate                               | 2 m/s                                                      |
| Ambient temperature (operation)               | -40 °C ... 90 °C (cable, fixed installation)               |
|                                               | -5 °C ... 80 °C (cable, flexible installation)             |
| Special properties                            | Silicone-free                                              |
| Flame resistance                              | DIN EN 50265                                               |
| Resistance to oil                             | As per VDE 0472 Part 803                                   |
| Other resistance                              | Highly resistant to acids, alkaline solutions and solvents |

#### Certificates / Approvals



Certification

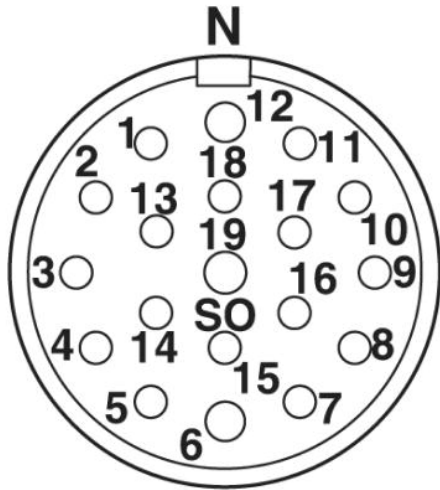
GOST

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## Diagrams/Drawings

Schematic diagram

Pin assignment M23 socket, 19-pos., female side view



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