


RCK-TWUM/BL16+3/10,0PUR-U

Order No.: 1684085

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684085>

Female connector, Number of positions: 19, Status indication: No;
Master cable connection: M23 socket, Cable length: 10 m, Shielding:
No

Commercial data

| | |
|--------------------------|---|
| GTIN (EAN) |  4 017918 172039 |
| sales group | D192 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Catalog page information | Page 128 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
04/01/2006



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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

| | |
|-------------------|------------|
| Connection method | 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 ² (signal line) 3x 1 mm ² (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) |
| Thickness, insulation | ≥ 0.15 mm (Inner sheath) ≥ 0.76 mm (Outer cable sheath) |
| External cable diameter | 10.5 mm ± 0.2 mm |
| External sheath, color | 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



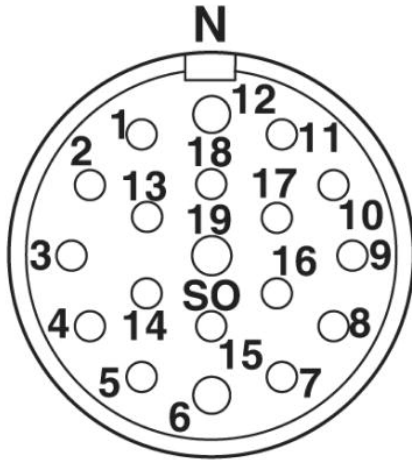
Certification

GOST

Diagrams/Drawings

Schematic diagram

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



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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