

# RCK-TWGM/BL16+3/25,0PUR SH - Master cable



1511556

<https://www.phoenixcontact.com/us/products/1511556>

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Socket M23, 19-pos., angled, shielded, with shielded, connected master cable, length: 25 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1511556       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB34          |
| Product key                          | ABRDCB        |
| GTIN                                 | 4017918904326 |
| Weight per piece (including packing) | 5,874 g       |
| Weight per piece (excluding packing) | 5,217.072 g   |
| Customs tariff number                | 85444290      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Master cable, assembled |
| Application         | Sensor/actuator box     |
| Number of positions | 19                      |

### Electrical properties

|                       |         |
|-----------------------|---------|
| Nominal voltage $U_N$ | 48 V AC |
|                       | 60 V DC |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Fixed connection |
|-------------------|------------------|

### Signaling

|                        |    |
|------------------------|----|
| Status display present | no |
|------------------------|----|

### Material specifications

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

### Connector

#### Connection 1

|                   |        |
|-------------------|--------|
| Head design       | Socket |
| Head cable outlet | angled |
| Head thread type  | M23    |

#### Connection 2

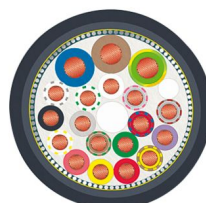
|             |                |
|-------------|----------------|
| Head design | free cable end |
|-------------|----------------|

### Cable/line

|              |      |
|--------------|------|
| Cable length | 25 m |
|--------------|------|

PUR/PVC shielded, black [PUR]

Dimensional drawing



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|                                     |  |
|-------------------------------------|--|
| Number of positions                 | 19   |
| Shielded                            | yes  |
| Cable type                          | PUR/PVC shielded, black [PUR]  |
| Conductor structure signal line     | 64x 0.10 mm  |
| AWG signal line                     | 20   |
| Conductor structure, voltage supply | 128x 0.10 mm   |
| AWG power supply                    | 17   |
| Conductor cross-section             | 16x 0.5 mm <sup>2</sup> (Signal line)<br>3x 1 mm <sup>2</sup> (Power supply)   |
| Wire diameter incl. insulation      | 1.6 mm (Signal line)<br>2 mm (power line)  |
| External cable diameter             | 11.60 mm ±0.3 mm   |
| Outer sheath, material              | PUR  |
| External sheath, color              | deep black RAL 9005  |
| Conductor material                  | Bare Cu litz wires   |
| Material wire insulation            | PVC  |
| Single wire, color                  | brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown |
| Overall twist                       | Wires twisted in layers  |
| Nominal voltage, cable              | 300 V  |
| Test voltage                        | 2000 V   |
| Dynamic load capacity (bending)     | Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s   |
| Flame resistance                    | DIN EN 50265   |
| Resistance to oil                   | according to VDE 0472 Part 803   |
| Other resistance                    | Highly resistant to acids, alkaline solutions and solvents   |
| Special properties                  | Silicone-free<br>Free of substances which would hinder coating with paint or varnish   |
| Ambient temperature (operation)     | -40 °C ... 90 °C (cable, fixed installation)<br>-5 °C ... 80 °C (Cable, flexible installation)   |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP65<br>IP67      |
| Ambient temperature (operation) | -40 °C ... 125 °C |

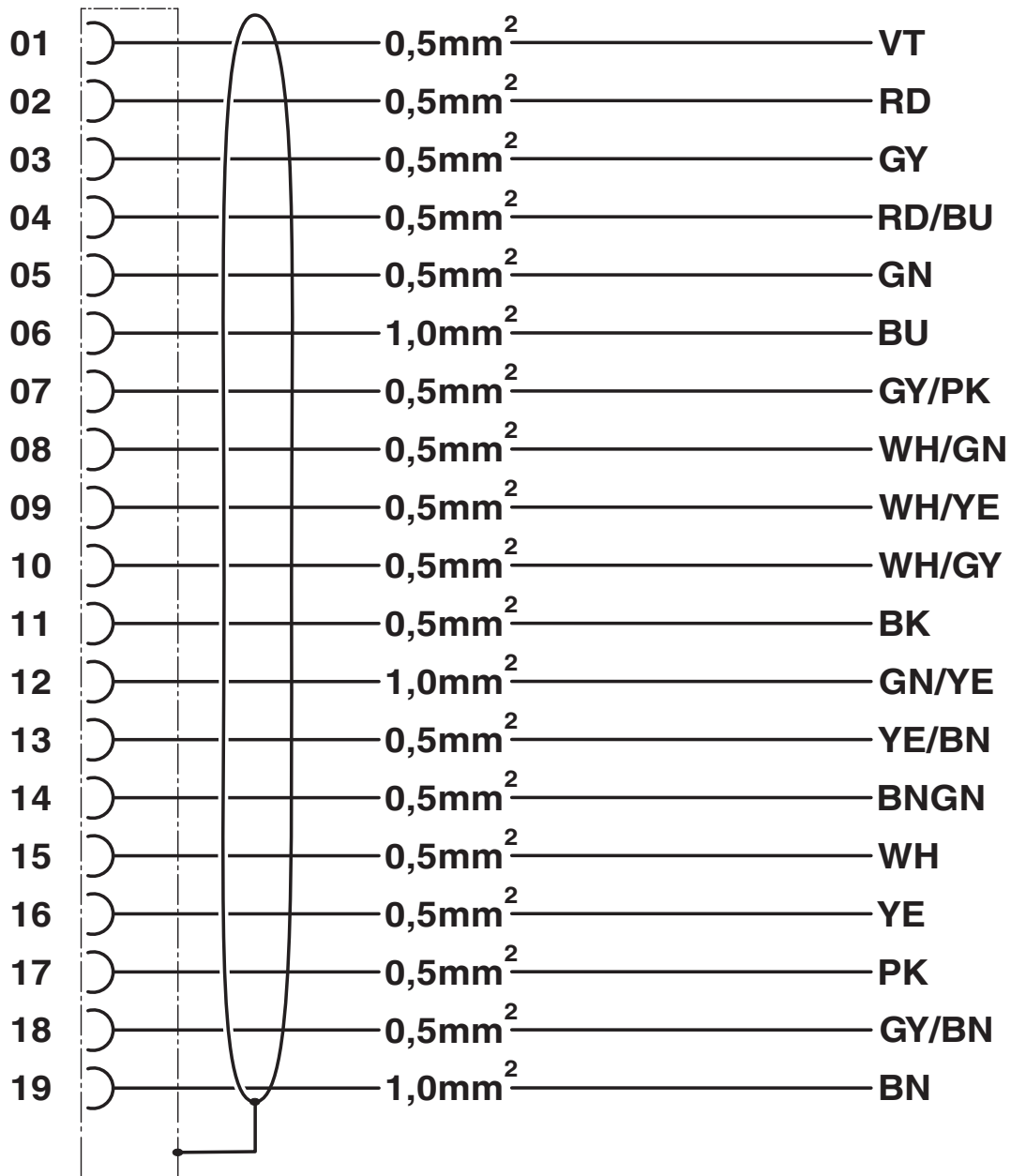
Drawings

Schematic diagram



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

Circuit diagram



Circuit diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1511556>



**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27060311 |
| ECLASS-15.0 | 27060311 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001855 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 52f1c2d9-db29-4493-8658-5d1c8d194245 |

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