# RCK-TGUM/BL16+3/30,0PUR-U - Master cable

1507007

https://www.phoenixcontact.com/us/products/1507007

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Master cable, application: Sensor/actuator box, number of positions: 19, status display: no; master cable connection: M23 socket, cable length: 30 m, shielding: no, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 1507007 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB34 |
| Product key | ABRDCA |
| GTIN | 4017918883775 |
| Weight per piece (including packing) | 6,000 g |
| Weight per piece (excluding packing) | 6,000 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Notes on operation | The master cable is earmarked for use on the sensor/actuator boxes with an M23 plug-in connection. |

### 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

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

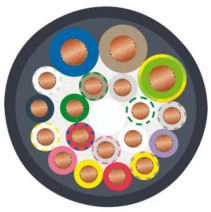
### Material specifications

| | |
|---|---|
| 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 |

### Cable/line

| | |
|---|---|
| Cable length | 30 m |

PUR/PVC black [PUR]

| | |
|---|---|
| Dimensional drawing |  |
| Cable weight | 183.7 kg/km |
| UL AWM Style | 20549 (80°C/300 V) |
| Number of positions | 19 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 28x 0.15 mm |

| | |
|---|---|
| AWG signal line | 20 |
| Conductor structure, voltage supply | 56x 0.15 mm |
| AWG power supply | 17 |
| Conductor cross-section | 16x 0.5 mm² (Signal line) |
| | 3x 1 mm² (power line) |
| Wire diameter incl. insulation | 1.5 mm ±0.1 mm (Signal line) |
| | 2.1 mm ±0.1 mm (power line) |
| External cable diameter | 10.50 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | 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 |
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.76 mm |
| Overall twist | Wires twisted in layers |
| Nominal voltage, cable | 300 V |
| Test voltage | 2000 V |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 79 mm |
| Smallest bending radius, movable installation | 105 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s |
| Flame resistance | according to 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 |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

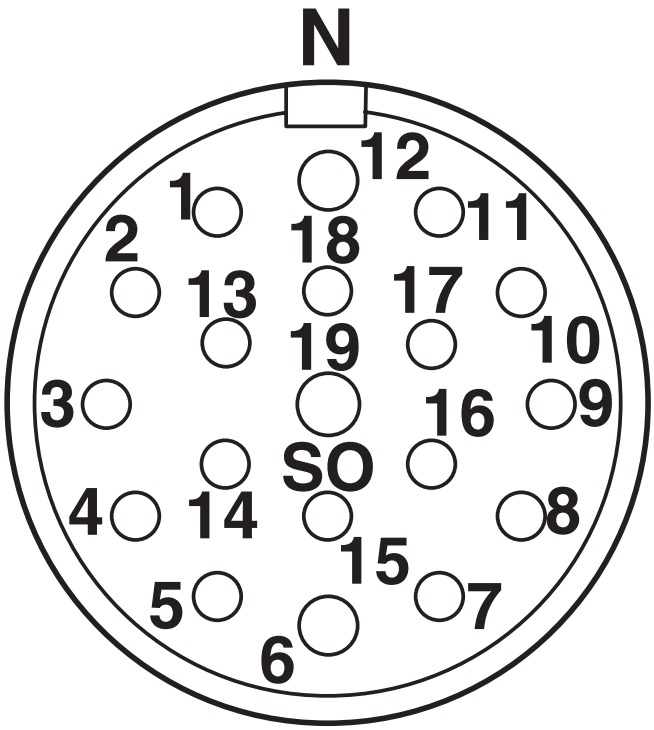
## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -40 °C ... 90 °C (for fixed installation) |

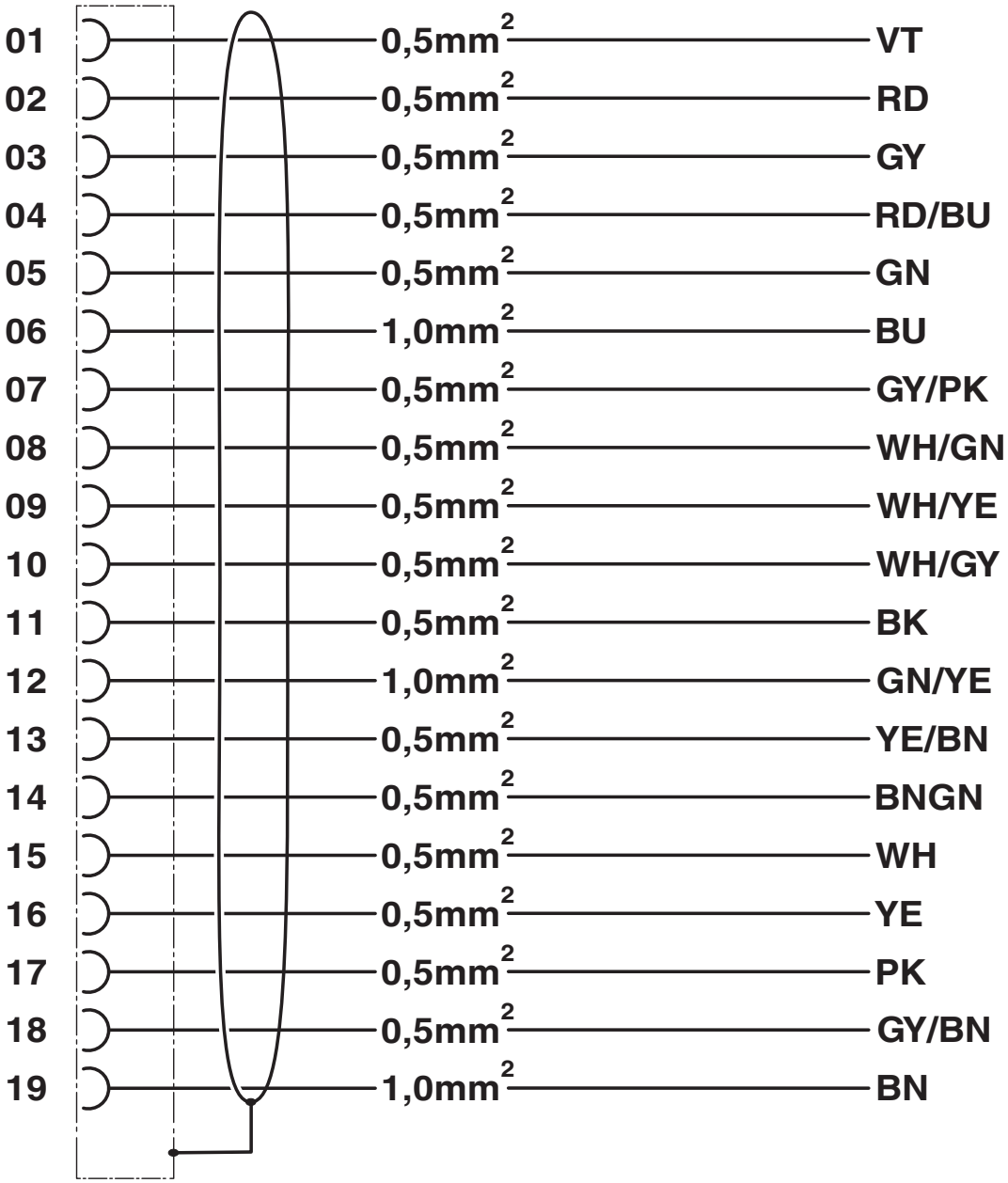
## Drawings

Schematic diagram




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

Circuit diagram




Circuit diagram

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1507007

EAC
Approval ID: 19060508

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

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|---|---|
| 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 | d95b6ed8-0714-4f5e-b8d3-856a5768bb02 |

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