

# RCK-TGUM/BL16+3/ 5,0PUR-UX - Master cable



1260765

<https://www.phoenixcontact.com/us/products/1260765>

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Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: no; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %). This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1260765       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB34          |
| Product key                          | ABRDCA        |
| GTIN                                 | 4063151413941 |
| Weight per piece (including packing) | 1,090.2 g     |
| Weight per piece (excluding packing) | 987.895 g     |
| Customs tariff number                | 85444290      |
| Country of origin                    | DE            |

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## 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

|                        |    |
|------------------------|----|
| 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 | straight |
| Head thread type  | M23      |

#### Connection 2

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

### Cable/line

|              |     |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

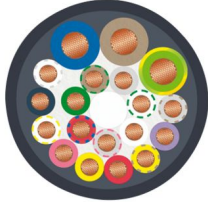
PUR/PVC black [PUR]

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|   |  |
|---|--|
| 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 mm <sup>2</sup> (Signal line)<br>3x 1 mm <sup>2</sup> (power line)   |
| Wire diameter incl. insulation                | 1.5 mm ±0.1 mm (Signal line)<br>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  |

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|                                 |  |
|---------------------------------|--|
| 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 ... 125 °C (Plug / socket) |

Drawings

Schematic diagram



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

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Circuit diagram



Circuit diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1260765>



**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, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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