

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 12, slot assignment: single, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260770

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1684014 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB34 |
| Product key | ABRDCA |
| Catalog page | Page 128 (PC-2009) |
| GTIN | 4017918172107 |
| Weight per piece (including packing) | 610.5 g |
| Weight per piece (excluding packing) | 617.445 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

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 | 12 |

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 | M16 |

Cable/line

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

PUR/PVC black [PUR]

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

| | |
|---|--|
| Dimensional drawing |  |
| Cable weight | 107.4 kg/km |
| UL AWM Style | 20549 (80°C/300 V) |
| Number of positions | 11 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 19x 0.15 mm |
| AWG signal line | 22 |
| Conductor cross section | 8x 0.34 mm ² (Signal line) 3x 0.75 mm ² (power line) |
| Wire diameter incl. insulation | 1.3 mm ±0.1 mm (Signal line) 1.8 mm ±0.1 mm (power line) |
| External cable diameter | 8.50 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 |
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.38 mm |
| Overall twist | Wires twisted in layers |
| Max. conductor resistance | ≤ 53 Ω/km (Signal line) ≤ 26 Ω/km (power line) |
| Insulation resistance | ≥ 5 MΩ*km |
| Nominal voltage, cable | 300 V AC |
| Test voltage Core/Core | 2000 V (50 Hz, 5 min.) |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 64 mm |
| Smallest bending radius, movable installation | 85 mm |
| Max. bending cycles | 1500000 |
| Minimum bending radius, drag chain applications | 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 |

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

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

RCK-TGUM/BL12/ 5,0PUR-U - Master cable

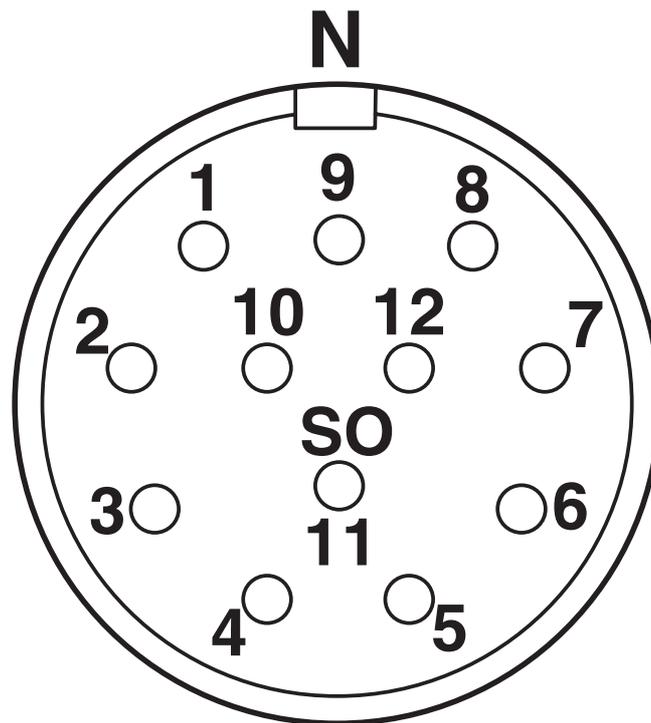


1684014

<https://www.phoenixcontact.com/us/products/1684014>

Drawings

Schematic diagram



Pin assignment M23 socket, 12-pos., female side view

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1684014>



EAC

Approval ID: 19060508

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ECLASS-13.0 | 27060311 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001855 |
|----------|----------|

UNSPSC

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

RCK-TGUM/BL12/ 5,0PUR-U - Master cable



1684014

<https://www.phoenixcontact.com/us/products/1684014>

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 | bee313b4-9706-40e0-a0a0-9505008a1b4f |

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com