

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)  
[1684056](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



Extract from the online catalog

## RCK-TGUM/BL16+3/ 5,0PUR-U


Order No.: 1684056



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684056>

Female connector, Number of positions: 19, Status indication: No, Cable length: 5 m, Shielding: No

### Commercial data

GTIN (EAN)	 4 017918 172060
sales group	D192
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 128 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
05/02/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### 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)

RCK-TGUM/BL16+3/ 5,0PUR-U Order No.: 1684056

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684056>
**Master cable data**

Type of connection	M23 socket
Length of cable	5 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

**RCK-TGUM/BL16+3/ 5,0PUR-U** Order No.: 1684056

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684056>

Conductor cross section	16x 0.5 mm <sup>2</sup> (signal line) 3x 1 mm <sup>2</sup> (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)
External cable diameter	10.50 mm
External sheath, color	Deep 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

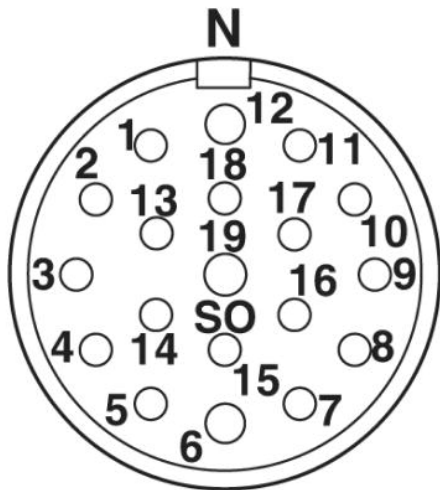
RCK-TGUM/BL16+3/ 5,0PUR-U Order No.: 1684056

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684056>

## Diagrams/Drawings

Schematic diagram

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



RCK-TGUM/BL16+3/ 5,0PUR-U Order No.: 1684056  
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684056>

---

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;