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Extract from the online catalog

RCK-TWUM/BL12/10,0PUR-U


Order No.: 1684043



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1684043>

Female connector M23, angled, 12-pos., with master cable 10 m

Commercial data

GTIN (EAN)	 4 017918 172077
sales group	D192
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 128 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
06/14/2006



<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	48 V AC 60 V DC
Number of positions	12
Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 125 °C (Male connector / female connector)

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Master cable data

Type of connection	M23 socket
Length of cable	10 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) = 1 = WH
	2 / 4 (A) = 2 = GN
	3 / 4 (A) = 3 = YE
	4 / 4 (A) = 4 = GY
	5 / 4 (A) = 5 = PK
	6 / 4 (A) = 6 = RD
	7 / 4 (A) = 7 = BK
	8 / 4 (A) = 8 = VT
	1-8 / 1 (+ 48 V) = 11 = BN
	1-8 / 3 (0 V) = 9+10 = 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
Conductor cross section	0.34 mm ² (signal line) 0.75 mm ² (power line)
AWG signal line	22
Conductor structure signal line	19x 0.15 mm
AWG power supply	18
Conductor structure, voltage supply	42x 0.15 mm
Core diameter including insulation	1.3 mm ±0.1 mm (signal line) 1.8 mm ±0.1 mm (power line)
External cable diameter	8.50 mm

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External sheath, color	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	85 mm
Smallest bending radius, movable installation	85 mm
Number of bending cycles	1500000
Bending radius	85 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

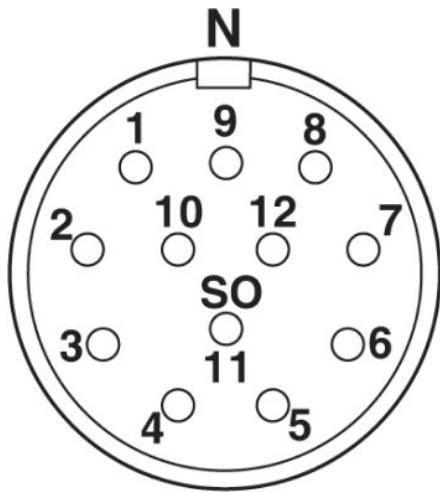
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Diagrams/Drawings

Schematic diagram

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



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