

RCK-TWGM/BL16+3/10,0PUR SH

Order No.: 1511828

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1511828>Female connector M23, 19-pos., angled, shielded, with shielded,
connected master cable, length: 10 m**Commercial data**

GTIN (EAN)	 4 017918 908317
Note	Made-to-order
sales group	D192
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 195 (PC-2011)

Product notesWEEE/RoHS-compliant since:
04/01/2006

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Technical data**General data**

Rated voltage	48 V AC
	60 V DC
Number of positions	19
Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 125 °C (Male connector / female connector)

Master cable data

Connection method	M23 plug connection
Length of cable	10 m
Cable type	Master cable suitable for flexible cable conduit
Signal line cross section	16x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	64x 0.10 mm
Power supply cross section	3x 1 mm ²
AWG power supply	17
Conductor structure, voltage supply	128x 0.10 mm
External diameter	11.6 mm
Max. bending cycles	1500000
Bending radius	120 mm
Traversing path	2 m
Traversing rate	2 m/s
Ambient temperature (operation)	-40 °C ... 90 °C (for fixed installation) -5 °C ... 80 °C (for flexible installation)

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
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	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	PUR/PVC black
Cable abbreviation	LiYY11Y-HF
Conductor cross section	16x 0.5 mm ² (signal line) 3x 1 mm ² (power line)
AWG signal line	20
Conductor structure signal line	64x 0.10 mm
AWG power supply	17
Conductor structure, voltage supply	128x 0.10 mm
External cable diameter	11.60 mm
External sheath, color	Deep black RAL 9005
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

Smallest bending radius, fixed installation	120 mm
Smallest bending radius, movable installation	120 mm
Number of bending cycles	1500000
Bending radius	120 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 Free of substances which would hinder coating with paint or varnish
Flame resistance	DIN EN 50265-2-1
Resistance to oil	As per VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents

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