

Master cable - RCK-TGUM/BL12/ 5,0PUR-U - 1684014

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M23 socket, straight, 12-pos., with 5 m master cable, pin 9 and 10 bridged



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918172107
Sales Key	02

Technical data

General

Rated voltage	48 V AC 60 V DC
Number of positions	12
Sensor/actuator connection system	M12 socket
Note	The master cable is earmarked for use on the sensor/actuator boxes with an M23 plug-in connection.

Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature (operation)	-40 °C ... 125 °C (Plug / socket)

Master cable data/connection data

Connection method	M23 plug connection
Length of cable	5 m

Insulation material

Housing material	PUR
Material of contact, master cable side	CU alloy

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Insulation material

Material of contact surface, master cable side	Gold-plated
Material of the contact carrier on the master cable side	PA

Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR
Cable abbreviation	LiYY11Y-HF
UL AWM style	20549 (80°C/300 V)
Conductor cross section	8x 0.34 mm ² (Signal line)
	3x 0.75 mm ² (power line)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	19x 0.15 mm
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)
Wire colors	brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet
Overall twist	Wires twisted in layers
External sheath, color	black RAL 9005
Inner sheath thickness	≥ 0.15 mm
Outer sheath thickness	≥ 0.38 mm
External cable diameter D	8.5 mm ±0.2 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	1500000
Minimum bending radius, drag chain applications	10 x D
Traversing path	2 m
Traversing rate	2 m/s
Cable weight	107.4 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 5 MΩ*km
Conductor resistance	≤ 53 Ω/km (Signal line)
	≤ 26 Ω/km (power line)
Nominal voltage, cable	300 V AC
Test voltage Core/Core	2000 V (50 Hz, 5 min.)
Special properties	Silicone-free
Flame resistance	DIN EN 50265

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Cable

Resistance to oil	according to VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals


Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.00767
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