

Master cable - SAC-12P- 5,0-PUR/M16FR



1693720

<https://www.phoenixcontact.com/pc/products/1693720>

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Master cable, application: Sensor/actuator box, connection method: M8 socket Metal, number of slots: 8, number of positions: 12, slot assignment: single, status display: No; master cable connection: M16 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.: 1260747

Commercial Data

Item number	1693720
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	02
Product Key	ABRDAB
Catalog Page	Page 311 (C-2-2019)
GTIN	4017918189068
Weight per Piece (including packing)	599 g
Weight per Piece (excluding packing)	512.7 g
Customs tariff number	85444290
Country of origin	DE

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Technical Data

Product properties

Product type	Master cable, assembled
Number of positions	12
Application	Sensor/actuator box
Number of slots	8

Electrical properties

Nominal voltage U_N	48 V AC
	60 V DC

LED signaling

Status display present	No
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Material specifications

Color	black
Sealing material	NBR
Material of threaded sleeve	Cu alloy
Material of threaded sleeve surface	Nickel-plated
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	TPU
Material of contact surface, master cable side	gold-plated
Housing material	PUR

Connector

Connection 1

Head design	free cable end
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Connection 2

Head design	Socket
Head cable outlet	angled
Head thread type	M16

Cable / line


Cable length	5 m
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PUR/PVC black [PUR]

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Dimensional drawing	
Cable weight	92 kg/km
UL AWM Style	20549
Number of positions	10
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) 2x 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	7.9 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, 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
Nominal voltage, cable	300 V
Test voltage	2000 V
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Max. bending cycles	1500000
Flame resistance	DIN EN 50265
Resistance to oil	according to VDE 0472 Part 803
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) 80 °C (in acc. with UL)

Environmental and real-life conditions

Ambient conditions

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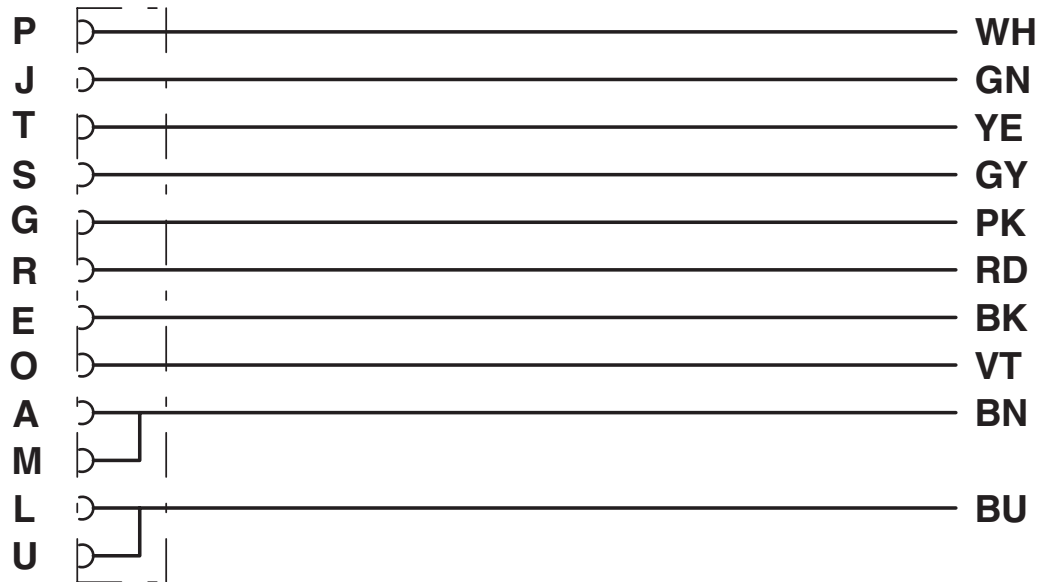
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Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-40 °C ... 90 °C (cable, fixed installation)

Drawings

Circuit diagram



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Approvals



EAC

Approval ID: 19060508



EAC

Approval ID: B.00385/20

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Classifications

ECLASS

ECLASS-9.0	27060311
ECLASS-10.0.1	27060311
ECLASS-11.0	27060311

ETIM

ETIM 8.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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