

SAC-8P- 5,0-PUR/M16FR - Master cable



1693681
<https://www.phoenixcontact.com/us/products/1693681>

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Master cable, application: Sensor/actuator box, connection method: M8 socket Metal, number of slots: 4, number of positions: 8, coding: A, 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.: 1260738

Commercial data

Item number	1693681
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB34
Product key	ABRDAB
Catalog page	Page 311 (C-2-2019)
GTIN	4017918189020
Weight per piece (including packing)	385.7 g
Weight per piece (excluding packing)	373.59 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Master cable, assembled
Application	Sensor/actuator box
Number of positions	8
Number of slots	4
Coding	A

Electrical properties

Nominal voltage U _N	48 V AC
	60 V DC

Connection data

Connection method	Fixed connection
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Signaling

Status display present	No
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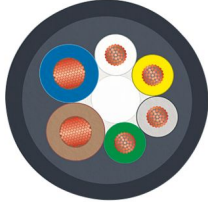
Material specifications

Material Housing	PUR
Material Threaded sleeve	Cu alloy
Seal material	NBR
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

Cable/line

Cable length	5 m
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PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	71.7 kg/km
UL AWM Style	20549
Number of positions	6
Shielded	no
Cable type	PUR/PVC black [PUR]

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Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	4x 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	6.80 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
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
Smallest bending radius, fixed installation	51 mm
Smallest bending radius, movable installation	68 mm
Max. bending cycles	1500000
Bending radius	68 mm
Traversing path	2 m
Traversing rate	2 m/s
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

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

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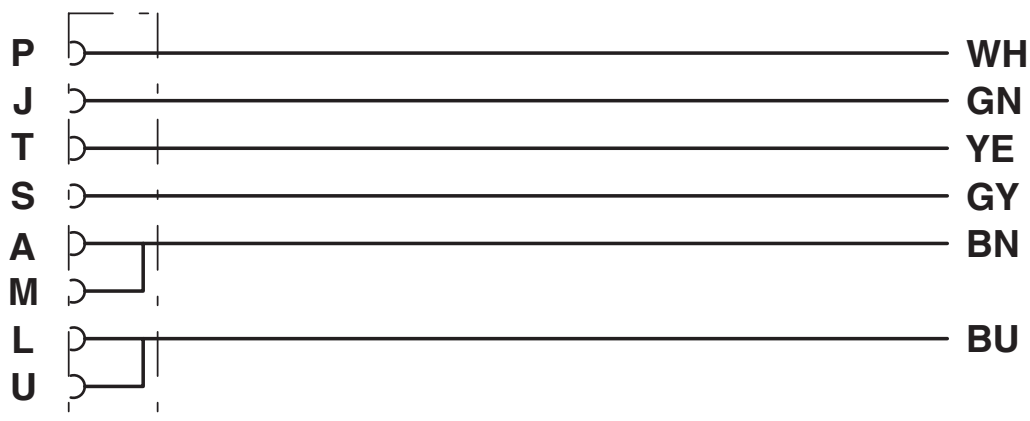


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Drawings

Circuit diagram



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Approvals

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EAC

Approval ID: 19060508

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Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

ETIM

ETIM 9.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	5a129b1d-9092-409e-bcde-600399a232d4

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