


## SAC-5P-M12MR/ 5,0-920/M12FR

Order No.: 1543919



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1543919>

Sensor/Actuator cable, 5-position, PUR, Violet, RAL 4001, Plug, angled M12, on Socket, angled M12, Cable length: 5 m

Commercial data	
GTIN (EAN)	 4 046356 103053
Note	Made-to-order
sales group	D117
Pack	1 pcs.
Customs tariff	85444290

### Product notes

WEEE/RoHS-compliant since:  
09/19/2006



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Technical data	
<b>General data</b>	
Number of positions	5
Length of cable	5 m
<b>General characteristics</b>	
Insertion/withdrawal cycles	≥ 100

**Conductor data**

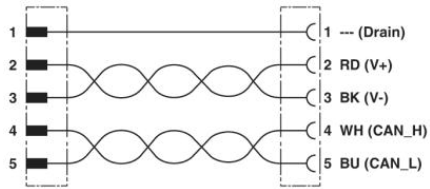
Cable type	CAN Bus/DeviceNet
Conductor cross section	0.2 mm <sup>2</sup> (signal line)
	0.32 mm <sup>2</sup> (Power supply)
	0.32 mm <sup>2</sup> (Drain wire)
AWG signal line	24
Conductor structure signal line	19x 0.12 mm
AWG power supply	22
Conductor structure, voltage supply	19x 0.15 mm
Core diameter including insulation	2.05 mm ±0.1 mm (signal line)
	1.4 mm ±0.05 mm (Power supply)
External cable diameter	6.70 mm
Wire colors	Red-black, blue-white
External sheath, color	Violet, RAL 4001
Insulation resistance	≥ 5 GΩ*km (signal line)
	≥ 100 MΩ*km (Power supply)
Conductor resistance	≤ 78.4 Ω/km (signal line)
	≥ 51.6 Ω/km (Power supply)
Working capacitance	39.3 pF (Signal line, Core-Core)
	78.7 pF (Signal line, Core-Shield)
Nominal voltage, conductor	300 V (Power supply)
	30 V (signal line)
Test voltage, conductor	1500 V (signal line)
	2000 V (Power supply)
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs around a drain wire in the center to the core
Shielding	Tinned copper braided shield
Optical shield covering	70 %
Outer sheath, material	PUR
Material conductor insulation	PE (Power supply)
	Foamed PE (signal line)
Conductor material	Tin-plated Cu litz wires
Smallest bending radius, fixed installation	67 mm
Smallest bending radius, movable installation	67 mm
Number of bending cycles	5000000

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Bending radius	67 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	7 m/s <sup>2</sup>

### Diagrams/Drawings

#### Circuit diagram



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