

SAC-5P-MINMS/10,0-923 DN

Order No.: 1418549

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1418549>

Bus system cable, 5-position, PUR, halogen-free, Gray RAL 7001,
Plug, straight 7/8" 16UNF, on Free conductor end, Cable length: 10 m

**Commercial data**

GTIN (EAN)	4046356539104
Note	Made-to-order
sales group	D117
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.22222 KG
Catalog page information	Page 148 (NTK-2010)

Product notes

WEEE/RoHS-compliant since:
03/12/2010



[http://
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
Please note that the data given
here has been taken from the
online catalog. For comprehensive
information and data, please refer
to the user documentation. The
General Terms and Conditions of
Use apply to Internet downloads.

Technical data**General data**

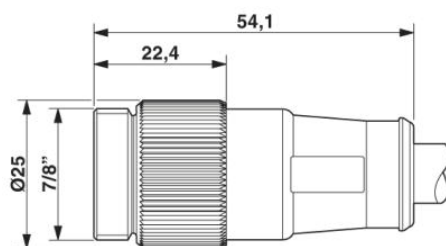
Rated current at 40°C	5.2 A
Rated voltage	30 V
Number of positions	5
Volume resistance	< 5 mΩ
Length of cable	10 m

Stripping length of the free conductor end	50 mm
General characteristics	
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material of grip body	TPU
Material, knurls	High-grade steel
Sealing material	TPU
Status display	No
Conductor data	
Cable type	CAN Bus/DeviceNet
Cable type (abbreviation)	923
Conductor cross section	0.2 mm ² (signal line)
	0.32 mm ² (Power supply)
	0.32 mm ² (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	Gray RAL 7001
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	30 V (signal line)
	300 V (Power supply)
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	Braided shielding made of tin-plated copper wires
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
Bending radius	67 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	7 m/s ²
Halogen-free	complying with IEC 60754-1/2

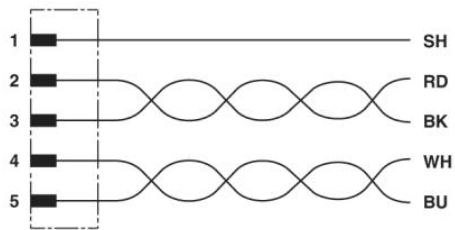
Diagrams/Drawings

Dimensioned drawing



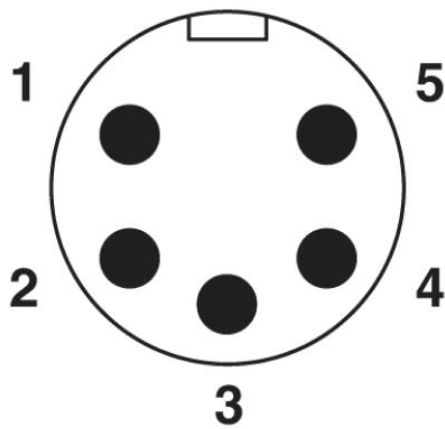
7/8" connector, straight

Circuit diagram



Contact assignment of the 7/8" connector

Schematic diagram



Connector pin assignment for 7/8"-16UNF conn., 5-pos.

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2010 Phoenix Contact
Technical modifications reserved;