

SACCBP-M12MS-5CON-M16/1,0-920

Order No.: 1534436



Bus system flush-type plug, DeviceNet/CANopen, 5-pos., M12, shielded, A-coded, rear/screw mounting with M16 thread, with 1 m bus cable, 2 x 0.2 mm², 2 x 0.32 mm²



CANopen

Commercial data	
EAN	4046356026604
Pack	1 Pcs.
Customs tariff	85444290
Weight/Piece	0.0906 KG
Catalog page information	Page 237 (PC-2007)

Product notes

WEEE/RoHS-compliant since:
03/15/2006



Technical data	
General data	
Nominal current I_N	4 A
Nominal voltage U_N	60 V
Number of positions	5
Volume resistance	$\leq 3 \text{ m}\Omega$

Insulation resistance	$\geq 10 \Omega$
Length of cable	1 m
Ambient temperature (operation)	-25 °C ... 80 °C (plug/socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 75 °C (cable, flexible installation)

General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	V0
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material, knurls	Nickel-plated brass
Sealing material	NBR
Mounting type	Rear mounting, M16 x 1.5 thread with flat nut
Status display	No
Test voltage	2500 V

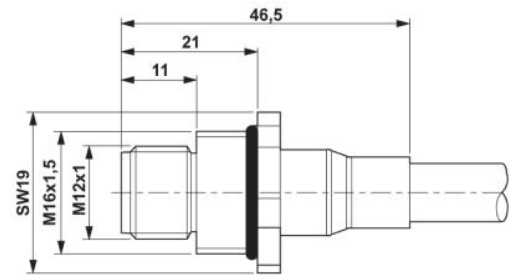
Conductor data

Cable type	CAN Bus/DeviceNet
Conductor cross section	0.2 mm ² (signal line)
	0.32 mm ² (Power supply)
	0.32 mm ² (Filler litz wire)
AWG signal line	24
Conductor structure, signal line	19x 0.13 mm
AWG power supply	22
Conductor structure, voltage supply	19x 0.16 mm
Core diameter including insulation	2.05 mm \pm 0.1 mm (signal line)
	1.4 mm \pm 0.05 mm (Power supply)
External cable diameter	6.70 mm
Wire colors	Red-black, blue-white
External sheath, color	Red/lilac RAL 4001

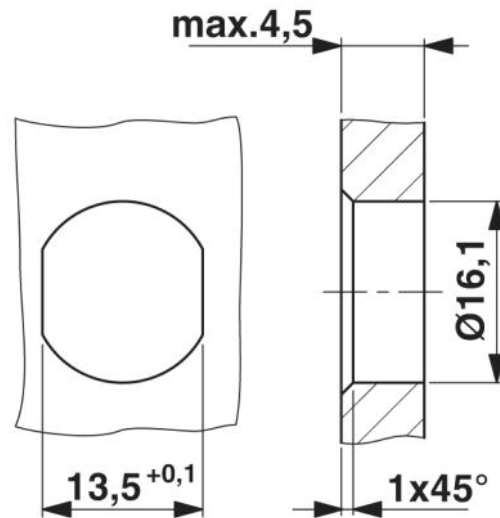
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$ (signal line)
	$\geq 100 \text{ M}\Omega \cdot \text{km}$ (Power supply)
Conductor resistance	$\leq 78.4 \text{ }\Omega/\text{km}$ (signal line)
	$\geq 51.6 \text{ }\Omega/\text{km}$ (Power supply)
Working capacitance	39.3 pF (Signal line, 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)
Test voltage Core/Core	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 filler litz 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	Min. 67 mm
Smallest bending radius, movable installation	Min. 67 mm
Max. bending cycles	5000000
Bending radius	67 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	7 m/s ²

Drawings

Dimensioned drawing

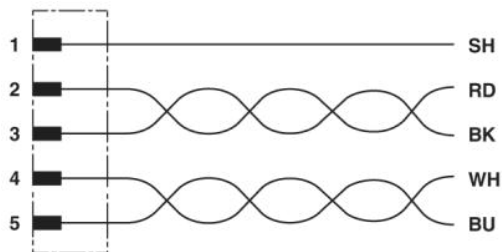


M12 flush-type plug



Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram

Pin assignment M12 male connector, 5-pos., A-coded, male side

