

Bus system flat-type plug - SACCEC-M12FS-5CON-M16/10,0-920 - 1525717


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Bus system flush-type socket, DeviceNet/CANopen, 5-pos., M12, shielded, A-coded, front/screw mounting, with M16 thread, can be positioned, with 10 m bus cable, 2 x 0.2 mm²; 2 x 0.32 mm²



Key commercial data

Packing unit	1 pc
GTIN	 4 046356 022453
Weight per Piece (excluding packing)	620.4 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	10 m
-----------------	------

Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II

Bus system flat-type plug - SACCEC-M12FS-5CON-M16/10,0-920 - 1525717

Technical data

General

Pollution degree	3
Test voltage	2500 V
Connection method	CAN Bus / DeviceNet
Mounting type	Front mounting M16 x 1.5

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Material, knurls	Metal

Cable

Cable type	CAN Bus/DeviceNet
Cable type (abbreviation)	920
UL AWM style	21198 (80°C/300 V)
Conductor cross section	2x 0.25 mm ² (signal line) 2x 0.34 mm ² (Power supply) 1x 0.34 mm ² (Drain wire)
AWG signal line	24
AWG power supply	22
Conductor structure signal line	19x 0.13 mm
Conductor structure, voltage supply	19x 0.15 mm
Core diameter including insulation	1.95 mm ±0.05 mm (signal line) 1.4 mm ±0.05 mm (Power supply)
Wire colors	Red-black, blue-white
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	80 %
External sheath, color	Violet, RAL 4001
External cable diameter D	6.7 mm ±0.3 mm
Number of bending cycles	5000000
Bending radius	70 mm
Traversing path	4.5 m
Traversing rate	3 m/s
Acceleration	3 m/s ²
Outer sheath, material	PUR
Material conductor insulation	Foamed PE (signal line) PE (Power supply)

Bus system flat-type plug - SACCEC-M12FS-5CON-M16/10,0-920 - 1525717

Technical data

Cable

Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 5 GΩ*km (signal line)
	≥ 5 GΩ*km (Power supply)
Loop resistance	≤ 181.8 Ω (signal line)
	≤ 114.8 Ω (Power supply)
Working capacitance	nom. 40 nF (signal line)
Wave impedance	120 Ω ±12 Ω (f = 1 MHz)
Shield attenuation	≤ 0.229 dB/km (with 1 MHz)
	≤ 0.164 dB (At 500 kHz)
	≤ 0.095 dB (At 125 kHz)
Nominal voltage, cable	≤ 300 V (Peak value, not for high-power applications)
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000 V (50 Hz, 1 min.)
Flame resistance	UL 1581, Sec. 1060 (FT-1)
	IEC 60332-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 70 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC002061
ETIM 4.0	EC000830
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501

Bus system flat-type plug - SACCEC-M12FS-5CON-M16/10,0-920 - 1525717

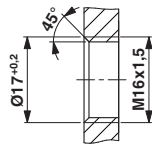
Classifications

UNSPSC

UNSPSC 13.2	31251501
-------------	----------

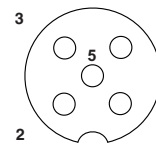
Drawings

Dimensioned drawing



Housing cutout for M16 fastening thread, mounting panel with thread

Schematic diagram



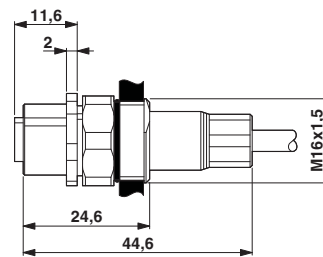
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Cable cross section



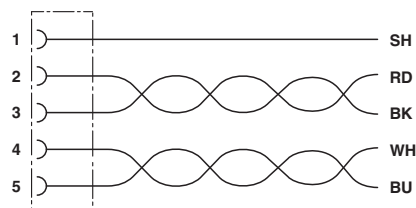
CAN Bus/DeviceNet [920]

Dimensioned drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 socket