Bus system flat-type plug - SACC-E-MSD-4CON-M16/0,5 SCO - 1551558

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 flat-type plug, PROFINET, 4-position, PlugLink:straightLink:M12-SPEEDCON, D-coded, Front mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m

Key commercial data

Packing unit	1 pc
GTIN	4 046356 153577
Weight per Piece (excluding packing)	19.3 g
Custom tariff number	85444290
Country of origin	Germany
Product key	ABQCDA
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	0.5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67

General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4

Bus system flat-type plug - SACC-E-MSD-4CON-M16/0,5 SCO - 1551558

Technical data

General

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFINET
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Front mounting M16 x 1.5

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

Cable

Cable type	TPE litz wire
Conductor cross section	0.34 mm²
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm (Core insulation)
Wire colors	Yellow, orange, white, blue
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Nominal voltage, cable	300 V
Test voltage, cable	3000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Bus system flat-type plug - SACC-E-MSD-4CON-M16/0,5 SCO - 1551558

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
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 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
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

cULus Recognized / EAC / UL Recognized

Ex Approvals

Approvals submitted

Approval details

cULus Recognized	
mm²/AWG/kcmil	20
Nominal current IN	4 A
Nominal voltage UN	250 V

Bus system flat-type plug - SACC-E-MSD-4CON-M16/0,5 SCO - 1551558

Approvals

EAC

UL Recognized

mm²/AWG/kcmil	26-20
Nominal current IN	4 A
Nominal voltage UN	250 V

Accessories

Accessories

Flat nut

Flat nut - SACC-E-MU-M16 - 1504097

Flat nut with M16 thread

Protective cap

Sealing cap - PROT-M12 FS - 1560251

M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Sealing cap - PROT-M12 FS-M - 1430488

M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Seal

Bus system flat-type plug - SACC-E-MSD-4CON-M16/0,5 SCO - 1551558

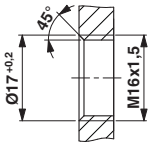
Accessories

Flat gasket - SACC-M16-SEAL CLM - 1430394

M16 flat gasket, for rear mounting of M12 flush-type connectors with M16 fastening thread

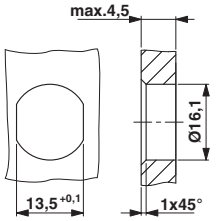
Drawings

Dimensioned drawing



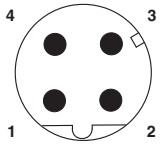
Housing cutout for M16 fastening thread, mounting panel with thread

Dimensioned drawing



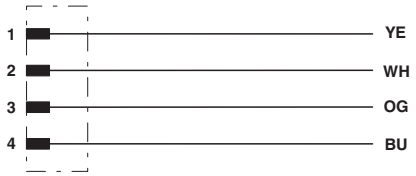
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



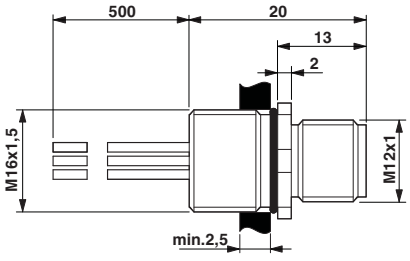
Pin assignment M12 male connector, 4-pos., D-coded, male side

Circuit diagram



Contact assignment of the M12 plugs

Dimensioned drawing



M12 flush-type connector