

Bus system flat-type plug - SACC-DSI-MSD-4CON-L180 SCO - 1551516

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 plug, Ethernet, 4-pos., M12 SPEEDCON, D-coded, rear/screw mounting with Pg9 thread, with straight solder connection

Your advantages


- ✓ Easy PCB assembly: one-piece connectors for wave soldering
- ✓ All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- ✓ SPEEDCON fast locking system reduces cabling times



Ethernet



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	 4 046356 153621
GTIN	4046356153621
Weight per Piece (excluding packing)	13.500 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length of the solder pin	6 mm
--------------------------	------

Ambient conditions

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

Bus system flat-type plug - SACC-DSI-MSD-4CON-L180 SCO - 1551516

Technical data

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)

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
Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm
Mounting type	Rear mounting Pg9 With locking nut
Thread type	Pg9

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Conductor cross section	0.34 mm ²
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
Standards/specifications	M12 connector IEC 61076-2-101

Bus system flat-type plug - SACC-DSI-MSD-4CON-L180 SCO - 1551516

Technical data

Cable

Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 57.6 \text{ m}\Omega/\text{m}$
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Standards and Regulations

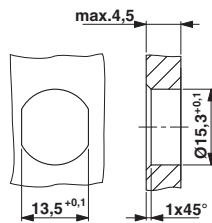
Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

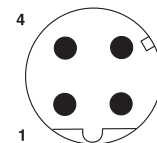
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Schematic diagram

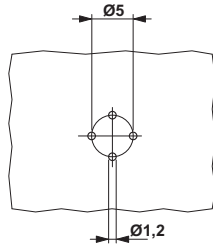


Pin assignment M12 male connector, 4-pos., D-coded, male side

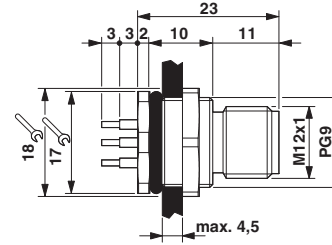
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)

Bus system flat-type plug - SACC-DSI-MSD-4CON-L180 SCO - 1551516

Drilling diagram

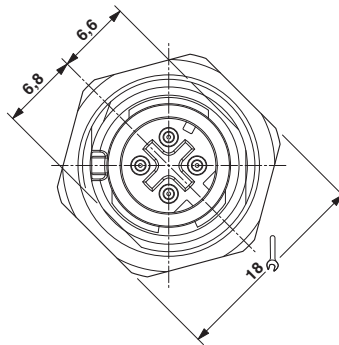


Dimensional drawing



M12 flush-type plug

Dimensional drawing



M12 front view

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC000830

Bus system flat-type plug - SACC-DSI-MSD-4CON-L180 SCO - 1551516

Classifications

ETIM

ETIM 6.0	EC002061
----------	----------

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals


Approvals

Approvals

UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	250 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	22		

EAC		B.01687
-----	---	---------

Bus system flat-type plug - SACC-DSI-MSD-4CON-L180 SCO - 1551516

Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474-20140616
Nominal voltage UN		250 V	
Nominal current IN		4 A	
mm ² /AWG/kcmil		22-20	

Accessories

Accessories

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

Flat gasket - SACC-PG9-SEAL CLM - 1556320



Pg9 flat gasket for the rear mounting of M12 flush-type connectors with Pg9 fastening threads