Bus system flush-type socket - SACCBP-FSB-2CON-PG9/2,0-910SCO - 1437465

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://download.phoenixcontact.com)

Bus system flush-type socket, PROFIBUS, 2-pos., M12, shielded, B-coded, SPEEDCON, rear/screw mounting with Pg9 thread, with 2.0 m bus cable, 2 x 0.25 mm²

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	140.0 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	2 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	2
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFIBUS

Bus system flush-type socket - SACCBP-FSB-2CON-PG9/2,0-910SCO - 1437465

Technical data

General

Status display	No
Surge voltage category	II
Pollution degree	3

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	NBR

Cable

Cable type	PROFIBUS
Cable type (abbreviation)	910
UL AWM style	21198 (80°C/300 V)
Conductor cross section	2x 0.25 mm² (signal line)
AWG signal line	24
Conductor structure signal line	19x 0.13 mm
Core diameter including insulation	2.55 mm ±0.07 mm
Wire colors	Red, green
Overall twist	2 cores with 2 fillers to the core
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	85 %
External sheath, color	Violet, RAL 4001
External cable diameter D	7.8 mm ± 0.2 mm
Number of bending cycles	4000000
Bending radius	65 mm
Traversing path	4.5 m
Traversing rate	3 m/s
Acceleration	3 m/s²
Max. bending cycles	5000000
Bending radius	80 mm
Traversing path	4.5 m
Traversing rate	3 m/s
Acceleration	3 m/s²
Outer sheath, material	PUR

Bus system flush-type socket - SACCBP-FSB-2CON-PG9/2,0-910SCO - 1437465

Technical data

Cable

Material conductor insulation	Foamed PE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	157.2 Ω/km
Working capacitance	30 nF
Wave impedance	nom. 150 Ω ±10 % (3 MHz ... 20 MHz)
Shield attenuation	≤ 4.9 dB (at 16 MHz)
Nominal voltage, cable	30 V
Test voltage Core/Core	1500 V (50 Hz, 1 min.)
Test voltage Core/Shield	1500 V (50 Hz, 1 min.)
Flame resistance	UL 1581, Sec. 1060 (FT-1)
	IEC 60332-1
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 70 °C (cable, flexible installation)

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	27449001

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501

Bus system flush-type socket - SACCBP-FSB-2CON-PG9/2,0-910SCO - 1437465

Classifications

UNSPSC

UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

Approvals

Approvals

UL Recognized / GOST / GOST

Ex Approvals

Approvals submitted

Approval details

UL Recognized

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

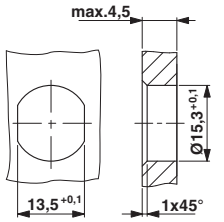
GOST

GOST

Drawings

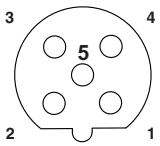
Bus system flush-type socket - SACCBP-FSB-2CON-PG9/2,0-910SCO - 1437465

Dimensioned drawing



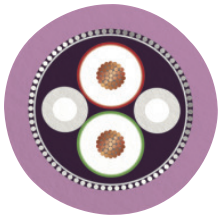
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



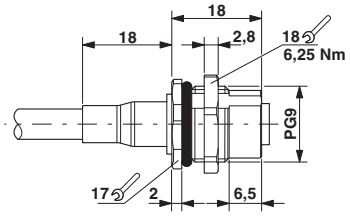
Pin assignment M12 socket, 5-pos., B-coded, female side

Cable cross section



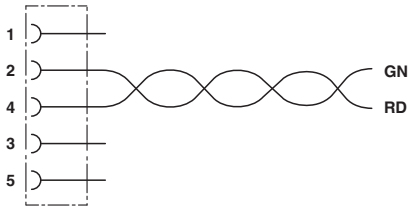
PROFIBUS [910]

Dimensioned drawing



M12 panel feed-through

Circuit diagram



Contact assignment of the M12 socket