

Flush-type connector - SACCBP-MS-12CON-M16/1,0-PVCSCO - 1442227

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Flush-type plug, shielded, 12-pos., M12, A-coded, rear/screw mounting with M16 thread, with 1 m cable, 12 x 0.14 mm²



Key commercial data

Packing unit	1 1
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	1 m
Stripping length of the free conductor end	35 mm

Ambient conditions

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

General

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No

Flush-type connector - SACCBP-MS-12CON-M16/1,0-PVCSCO - 1442227

Technical data

General

Surge voltage category	II
Pollution degree	3
Mounting type	Rear mounting M16 x 1.5 Thread with flat nut

Material

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

Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 mm
Wire colors	White-brown, green-yellow, gray-pink, blue-red, black-violet, gray/pink-red/ blue
Overall twist	Six pairs around the filler to the core
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	Black RAL 9005
External cable diameter	8.50 mm
Number of bending cycles	2000000
Bending radius	85 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Outer sheath, material	PVC
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Tin-plated Cu litz wires
Conductor resistance	142 Ω/km
Flame resistance	DIN VDE 0472 part 804, test type B
Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10

Flush-type connector - SACCBP-MS-12CON-M16/1,0-PVCSCO - 1442227

Technical data

Cable

Ambient temperature (operation)	-30 °C ... 85 °C (cable, fixed installation)
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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 4.0	EC002061
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

GOST / GOST

Ex Approvals

Approvals submitted

Flush-type connector - SACCBP-MS-12CON-M16/1,0-PVCSCO - 1442227

Approvals

Approval details



Accessories

Accessories

Plug for cable screw gland

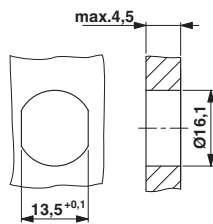
Screw plug - SACC-M16-SEALING PLUG SET - 1453368



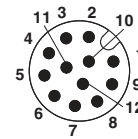
M16 screw plug for unused M12 housing cutouts

Drawings

Dimensioned drawing



Schematic diagram

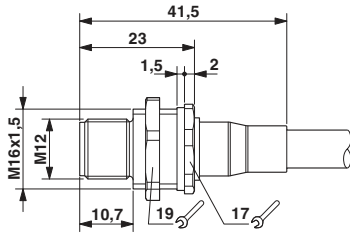


Pin assignment M12 male connector, 12-pos., male side view

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

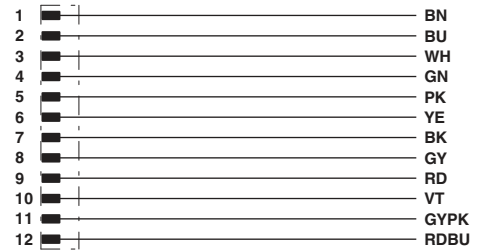
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Dimensioned drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 plugs