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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Flush-type connector - SACCBP-FS-17CON-M16/2,0-PVCSCO - 1442272

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Flush-type socket, shielded, 17-pos., M12, A-coded, rear/screw mounting with M16 thread, with 2 m cable, 17 x 0.14 mm²

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	180.0 GRM
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	17
Contact resistance	$\leq 3\ m\Omega$
Insulation resistance	$\geq 100\ M\Omega$
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal

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Technical data

General

Status display	No
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 mm²
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, white/green-brown/green, white/yellow-yellow/brown-white/gray
Overall twist	Eight 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	9.20 mm
Number of bending cycles	2000000
Bending radius	92 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s²
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

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Technical data

Cable

Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10
Ambient temperature (operation)	-30 °C ... 85 °C (cable, fixed 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 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

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Flush-type connector - SACCBP-FS-17CON-M16/2,0-PVCSCO - 1442272

Approvals

Approval details

GOST ℗

GOST ℗

## 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

max.4,5

Ø16,1

13,5 $^{+0,1}$

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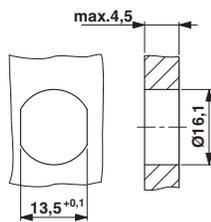
Schematic diagram

12 2 3 13
1   4
11   17
         5
10   14
9   6
16 8 7 15
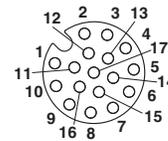
Pin assignment of M12 socket, 17-pos., A-coded, view of socket side

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Flush-type connector - SACCBP-FS-17CON-M16/2,0-PVCSCO - 1442272

Dimensioned drawing

36,5
18
17 2 1,5
M12
M16x1,5
19 6
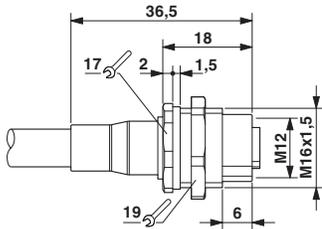
M12 flush-type connector

Circuit diagram

1	BN
2	BU
3	WH
4	GN
5	PK
6	YE
7	BK
8	GY
9	RD
10	VT
11	GYPK
12	RDBU
13	WHGN
14	BNGN
15	WHYE
16	YEBN
17	WHGY
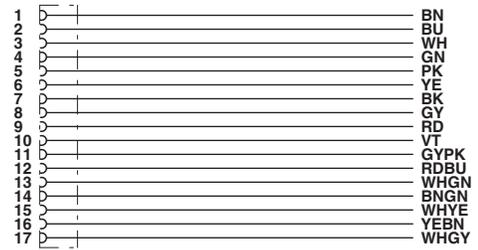
Contact assignment of the M12 socket