PHŒNIX CONTACT

Flush-type connector - SACC-EC-M12FS-8CON-M16/0,5 - 1513800

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Sensor/Actuator flush-type socket, 8-pos., M12, A-coded, front/screw mounting with M16 thread, can be positioned, with 0.5 m TPE litz wire, 8 x 0.25 mm²

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	31.1 GRM
Custom tariff number	85445190
Country of origin	Germany

Technical data

Dimensions

Length of cable	0.5 m

Ambient conditions

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

General

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Contact resistance	$\leq 3\ m\Omega$
Insulation resistance	$\geq 100\ M\Omega$
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Individual wires

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Technical data

General

Mounting type	Front mounting M16 x 1.5 With locking nut

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA66 GF
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	TPE litz wire
Conductor cross section	0.25 mm²
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Brown, blue, white, gray, pink, green, yellow, red
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 mΩ/m
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423

ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC002061

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Classifications

ETIM

ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Accessories

Accessories

Flat nut

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

Flat nut with M16 thread

Drawings

Dimensioned drawing
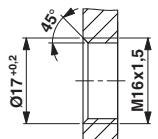
Housing cutout for M16 fastening thread, mounting panel with thread

Schematic diagram
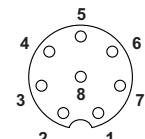
Pin assignment M12 socket, 8-pos., A-coded, view female side

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Dimensioned drawing
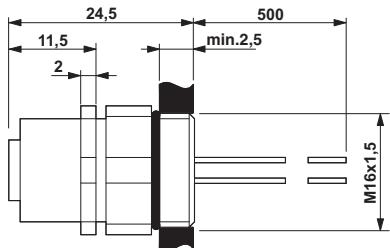
M12 flush-type socket, can be positioned

Circuit diagram

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
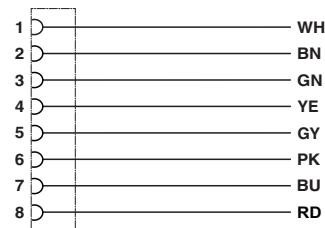
Contact assignment of the M12 plug and the M12 socket