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PHŒNIX CONTACT

Flush-type connector - SACC-E-M12MS-8CON-PG9/0,5 - 1513774

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Sensor/Actuator flush-type plug, 8-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 8x 0.25 mm²

Key Commercial Data

Packing unit	1 STK
GTIN	4 017918 914684

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

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	2 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	≥ 100
Torque	3 Nm ... 4 Nm (Installation-side)

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Technical data

General

Mounting type	Front mounting Pg9

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA66
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	white, brown, green, yellow, gray, pink, blue, 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)	-40 °C ... 90 °C (cable, fixed installation)
	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Standards and Regulations

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

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
eCl@ss 7.0	27449001

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Classifications

eCl@ss

eCl@ss 8.0	27440103

ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC002061
ETIM 4.0	EC002062
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

cULus Recognized / EAC / UL Recognized

Ex Approvals

Approvals submitted

Approval details

cULus Recognized	
mm²/AWG/kcmil	22
Nominal current IN	2 A
Nominal voltage UN	30 V

EAC

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Approvals

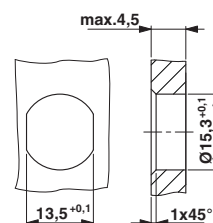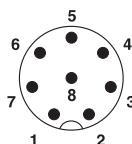|	
UL Recognized	
mm²/AWG/kcmil	26-20
Nominal current IN	2 A
Nominal voltage UN	30 V

Drawings

Dimensional drawing
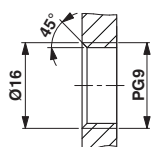
Housing cutout for Pg9 fastening thread, mounting panel with thread
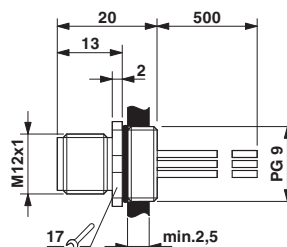
Dimensional drawing

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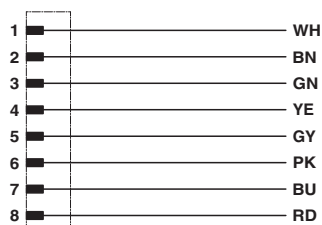
Schematic diagram

Pin assignment M12 plug, 8-pos., view plug side

Dimensional drawing

M12 flush-type plug

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

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Sensor/Actuator flush-type plug, 8-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 8x 0.25 mm²	1513774	SACC-E-M12MS-8CON-PG9/0,5	Buy on EAN