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Especialistas en Automatización

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Flush-type connector - SACC-E-M12MS-4CON-PG 9/0,5 VA - 1554555

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Sensor/actuator flush-type plug, 4-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 4 x 0.34 mm², stainless steel version

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 170307

Technical data

Dimensions

Length of cable	0.5 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP65
	IP67
	IP69K

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	4 A
Rated voltage	250 V
Rated surge voltage	2.5 kV
Number of positions	4
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

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Technical data

General

Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Front mounting Pg9

Material

Flammability rating according to UL 94	V0
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PA66 GF
Material, knurls	High-grade steel
Sealing material	FKM

Cable

Cable type	TPE litz wire
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	brown, white, blue, black
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 Ω/km
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-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	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423

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Classifications

eCl@ss

eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

ETIM

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

UL Recognized / EAC / cULus Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
mm²/AWG/kcmil	26-20
Nominal current I _N	4 A
Nominal voltage U _N	250 V

EAC

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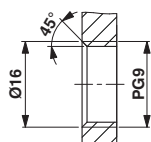
Approvals

cULus Recognized	
mm²/AWG/kcmil	20
Nominal current I _N	4 A
Nominal voltage U _N	250 V

EAC

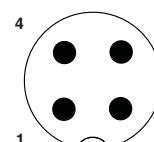
Drawings

Dimensional drawing



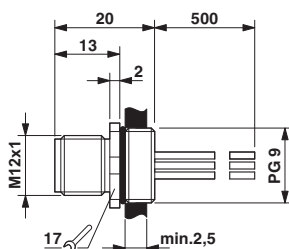
Housing cutout for Pg9 fastening thread, mounting panel with thread

Schematic diagram



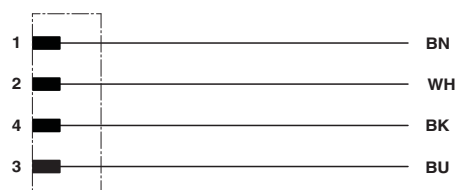
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Dimensional drawing



M12 flush-type plug

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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Product	Code	Reference	Product link
Sensor/actuator flush-type plug, 4-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 4 x 0.34 mm ² , stainless steel version	1554555	SACC-E-M12MS-4CON-PG 9/0,5 VA	Buy on EAN