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Sensor/Actuator flush-type socket, 4-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 1 m TPE litz wire, 4 x 0.25 mm²



Key commercial data

Packing unit	11
Minimum order quantity	5 1
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length of cable	1 m

Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Contact resistance	\leq 3 m Ω
Insulation resistance	\geq 100 M Ω
Coding	A - standard
Status display	No
Surge voltage category	Ш
Pollution degree	3
Connection method	Individual wires



Technical data

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	0.34 mm²	
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	

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
eCl@ss 8.0	27449001

ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061



Classifications

UNSPSC

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

Approvais		
Approvals		
Approvals		
UL Recognized		
Ex Approvals		
Approvals submitted		

Approval details

UL Recognized A		
mm²/AWG/kcmil	26-20	
Nominal current IN	4 A	
Nominal voltage UN	250 V	

Accessories

Accessories

Flat nut



Accessories

Flat nut - SACC-E-MU-PG9 - 1504084



Flat nut with Pg9 thread

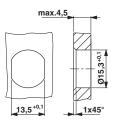
Drawings

Dimensioned drawing



Housing cutout for Pg9 fastening thread, mounting panel with thread

Dimensioned drawing



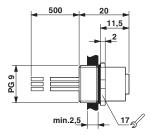
Housing cutout for Pg9 fastening thread, mounting panel with feedthrough hole (alternatively with surface as protection against rotation)

Schematic diagram



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

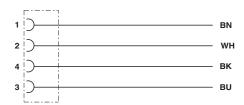
Dimensioned drawing



M12 flush-type connector



Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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