

Flush-type connector - SACC-DSI-M12MS-5CON-PG9/0,5 VA - 1554681


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Sensor/actuator flush-type plug, 5-pos., M12, A-coded, rear/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 5 x 0.34 mm², stainless steel version



Key commercial data

Packing unit	1 PCE
Minimum order quantity	50 PCE
Catalog page	Page 210 (PC-2011)
GTIN	 4 046356 170383
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	0.5 m
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

General characteristics

Standards/regulations	M12 plug-in connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3

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Technical data

General characteristics

Degree of protection	IP65/IP67/IP69K
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	High-grade steel
Sealing material	FKM
Mounting type	Rear mounting Pg9 With flat nut
Connection method	Individual wires
Status display	No

Conductor data

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	Black, brown,blue, white, gray
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)

Classifications

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

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

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Classifications

UNSPSC

UNSPSC 7.0901	31251501
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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

Approvals

Approvals

Approvals

GOST / UL Recognized

Ex Approvals

Approvals submitted

Approval details

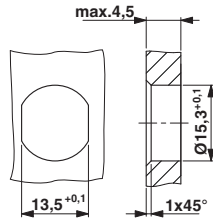
GOST

UL Recognized	
mm ² /AWG/kcmil	26-20
Nominal current I _N	4 A
Nominal voltage U _N	60 V

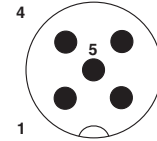
Drawings

Flush-type connector - SACC-DSI-M12MS-5CON-PG9/0,5 VA - 1554681

Dimensioned drawing



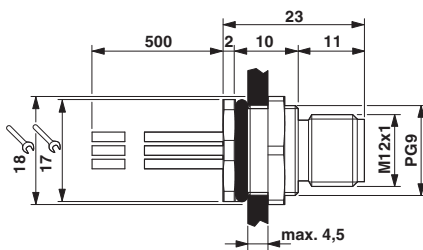
Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

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

Dimensioned drawing



Circuit diagram



M12 flush-type plug

Contact assignment of the M12 plug and the M12 socket