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Connector - SACC-MS-5CON-PG11-DUO-M SCO - 1543016

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Connector, 5-position, Plug straight M12 SPEEDCON, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg11-DUO, External cable diameter 2.1 mm ... 3 mm / 4 mm ... 5.2 mm

Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Save time, thanks to installation with SPEEDCON fast locking system
- Screw connection: proven connection technology for a large selection of different conductors
- Save space: connect two sensors to one connector with a multiple grommet



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 097628

Technical data

Dimensions

External cable diameter	2x 2.1 mm ... 3 mm (when using the seal for small outer cable diameters)
	2x 4 mm ... 5.2 mm (when using the seal for large outer cable diameters)

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard

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Technical data

General

Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.25 mm ² ... 0.75 mm ²
Conductor cross section AWG	24 ... 18
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.3 Nm ... 0.4 Nm (Pressure screw for external cable diameter of 2.1 mm ... 3 mm)
	0.8 Nm ... 1 Nm (Pressure screw for outer cable diameter 4 mm ... 8 mm)
	0.2 Nm (Screw terminal blocks)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules
	This connector includes one seal for small and one seal for large outer cable diameters.

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

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
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440104

Connector - SACC-MS-5CON-PG11-DUO-M SCO - 1543016

Classifications

eCl@ss

eCl@ss 9.0	27440102
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ETIM

ETIM 3.0	EC002062
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

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

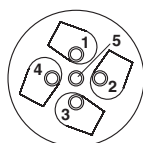
Approval details

EAC

EAC

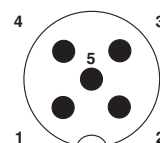
Drawings

Schematic diagram



Cable connection side M12 (screw connection)

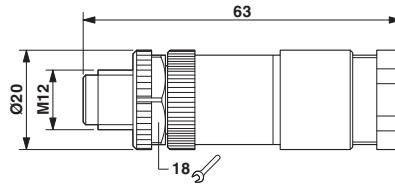
Schematic diagram



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

Connector - SACC-MS-5CON-PG11-DUO-M SCO - 1543016

Dimensional drawing



M12 x 1 plug, straight

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Product	Code	Reference	Product link
Connector, 5-position, Plug straight M12 SPEEDCON, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg11-DUO, External cable diameter 2.1 mm ... 3 mm / 4 mm ... 5.2 mm	1543016	SACC-MS-5CON-PG11-DUO-M SCO	Buy on EAN