

Connector - SACC-M12MS-5CON-DM 3-5 SH VA - 1440012

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Connector, 5-position, shielded, Plug straight M12, A-coded, Screw connection, Knurl material: Stainless steel, Cable gland M16, External cable diameter 3 mm ... 5.5 mm

Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 480864
Weight per Piece (excluding packing)	59.97 g
Custom tariff number	85366990
Country of origin	Germany
Product key	BF2CBA

Technical data

Dimensions

External cable diameter	3 mm ... 5.5 mm
Stripping length of the sheath	35 mm
Stripping length of the individual wire	5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP69K

General

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Technical data

General

Rated current at 40°C	4 A
Rated voltage	60 V DC
	48 V AC
Number of positions	5
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	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)
	0.2 Nm (Screw terminal blocks)
	0.3 Nm ... 0.4 Nm (Pressure nut with sleeve housing with 3 mm ... 4 mm external cable diameter)
	0.8 Nm ... 1 Nm (Pressure nut with sleeve housing with 4 mm ... 8 mm external cable diameter)
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

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Stainless steel
Material, knurls	Stainless steel
Sealing material	FKM

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	27250313
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Classifications

eCl@ss

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
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
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

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UL Recognized / cUL Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

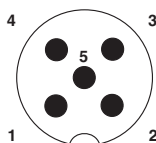
Connector - SACC-M12MS-5CON-DM 3-5 SH VA - 1440012

Approvals

EAC

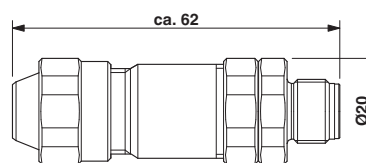
Drawings

Schematic diagram



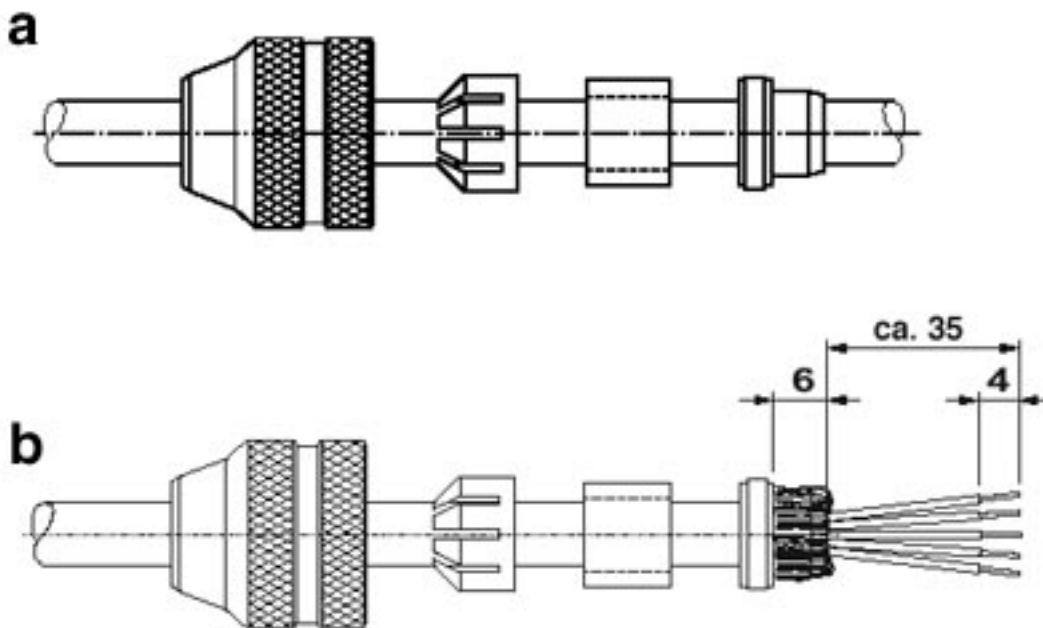
Pin assignment M12 male connector, 5-pos., A-coded, male side

Dimensional drawing



Plug, M12 x 1, straight, shielded

Functional drawing



Assembly steps for M12 male/female plug and conductor

a = Slide on parts

b = Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.