

Bus system connector - SACC-M12MSB-5CON-PG9 SH XL PB - 1401096

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Bus system connector, PROFIBUS, INTERBUS, 5-position, shielded, Plug straight M12, B-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 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 STK
GTIN	
GTIN	4046356523349

Technical data

Dimensions

Wrench size, union nut	16 mm
Diameter housing	20.2 mm
Length	62 mm
External cable diameter	8 mm ... 10 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	IP67

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	B-coded
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFIBUS
	INTERBUS
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 (without ferrule)
	0.14 mm ² ... 0.75 mm ² (with ferrule)
	0.25 mm ² ... 0.75 mm ² (solid)
Conductor cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	1 Nm ... 1.4 Nm (Pressure nut with 8 mm ... 12 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	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Standards/specifications	M12 connector IEC 61076-2-101
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Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101

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Technical data

Standards and Regulations

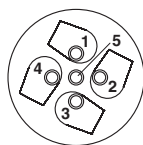
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

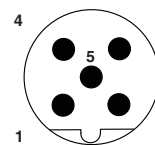
Drawings

Schematic diagram



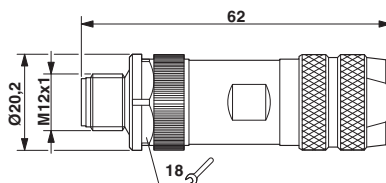
Cable connection side M12 (screw connection)

Schematic diagram



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

Dimensional drawing



Plug, M12 x 1, straight, shielded

Approvals

Approvals

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EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

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Approvals

EAC		EAC-Zulassung
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		125 V	
Nominal current IN		4 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		125 V	
Nominal current IN		4 A	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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