

## Connector - SACC-M12MS-12SOL-PG 9-M SH - 1404410

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Connector, Universal, 12-position, shielded, Plug straight M12, A-coded, Solder connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg9, external cable diameter 6 mm ... 8 mm

### Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Save space – with high-pos. connectors
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356693837

### Technical data

#### Dimensions

Diameter housing	20.2 mm
Length	62 mm
External cable diameter	6 mm ... 8 mm
Stripping length of the sheath	35 mm
Stripping length of the individual wire	4 mm

#### Ambient conditions

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

#### General

Rated current at 40°C	1.5 A (up to 40 °C)
Rated voltage	30 V AC

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## Technical data

### General

	30 V DC
Number of positions	12
Insulation resistance	> 10 GΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder connection
Conductor cross section	0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (without ferrule)
	0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (solid)
Conductor cross section AWG	28 ... 24 (without ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm ... 1 Nm (Pressure screw)
Tightening torque	Screw plug insert with sleeve housing as far it will go

### Material

Flammability rating according to UL 94	HB
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

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

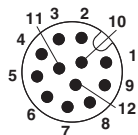
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

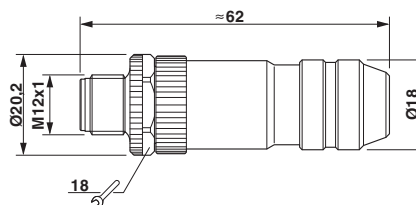
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Schematic diagram



Pin assignment of M12 male connector, 12-pos., A-coded, view of pin side

Dimensional drawing



Plug, M12 x 1, straight, shielded

## Approvals

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Approvals

EAC / EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

EAC		7500651.22.01.00246
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EAC		EAC-Zulassung
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal current I <sub>N</sub>		1 A	
Nominal voltage U <sub>N</sub>		30 V	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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### Approvals

cULus Recognized



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

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