

## Power connectors - SACC-M12MS-5CON-PG11-M PWR - 1404417

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Power connectors, 5-position, Plug straight M12, A-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

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 694490
GTIN	4046356694490

### Technical data

#### Dimensions

Diameter housing	20 mm
Length	65.5 mm
External cable diameter	8 mm ... 10 mm
Stripping length of the sheath	20 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

Note	Strip 22 mm off the cable sheath, shorten conductor for the fifth position by 10 mm. Strip 7 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Length of conductors with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
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## Technical data

### General

Rated current at 40°C	8 A (Contact 5: 2 A)
	when using 1.5 mm <sup>2</sup> conductors
Rated voltage	60 V DC
	48 V AC
Number of positions	5
Insulation resistance	> 10 GΩ
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	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (without ferrule)
	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (solid)
Conductor cross section AWG	18 ... 16 (without ferrule)
	16 ... 18 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	1.5 Nm ... 2 Nm (Pressure screw with sleeve housing)
	0.4 Nm (Screw plug insert with sleeve housing as far it will go)
	0.2 Nm (Screw terminal blocks)
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	Ni/Au
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR (Cable clamping)

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

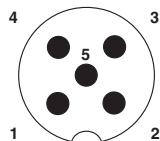
### Environmental Product Compliance

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

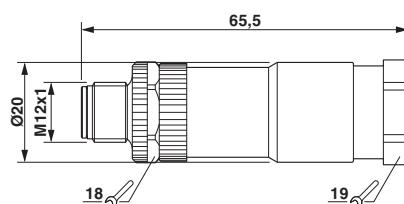
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### Drawings

Schematic diagram



Dimensional drawing



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

Plug, M12 x 1, straight

### Approvals

#### Approvals

##### 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 IN	4 A		
Nominal voltage UN	125 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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Nominal voltage UN	125 V

cULus Recognized



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

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