

Power connectors - SACC-M12FR-5CON-PG11-M PWR - 1408993

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Power connectors, 5-position, Socket angled 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 885133
GTIN	4046356885133

Technical data

Dimensions

Diameter housing	20.2 mm
Length	39 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 ² 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 ² ... 1.5 mm ² (without ferrule)
	0.75 mm ² ... 1.5 mm ² (with ferrule)
	0.75 mm ² ... 1.5 mm ² (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
	The connector pin assignment can be rotated 90° to the cable outlet

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	Viton (M12 socket)
	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
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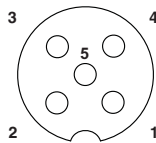
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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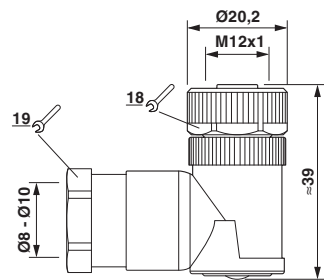
Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



M12 x 1 socket, straight

Approvals

Approvals


Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals


Approval details


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 current I _N	4 A		
Nominal voltage U _N	125 V		

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