

Connector - SACC-M12FR-5CON-PG9 - 1500790

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Connector, 5-position, Socket angled M12, A-coded, Screw connection, knurl material: Plastic, 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
- ✓ Screw connection: proven connection technology for a large selection of different conductors

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 614010
GTIN	4017918614010
Sales Key	02

Technical data

Dimensions

Diameter housing	20 mm
Length	41 mm
External cable diameter	6 mm ... 8 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

Rated current at 40°C	4 A
Rated voltage	60 V DC

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Technical data

General

	48 V AC
Number of positions	5
Insulation resistance	$\geq 100 \text{ M}\Omega$
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 (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)
	0.8 Nm ... 1 Nm (Pressure screw with sleeve housing)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet
	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Plastic
Sealing material	NBR

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	HB

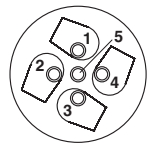
Environmental Product Compliance

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

Drawings

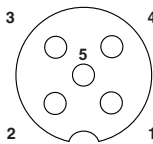
Connector - SACC-M12FR-5CON-PG9 - 1500790

Schematic diagram



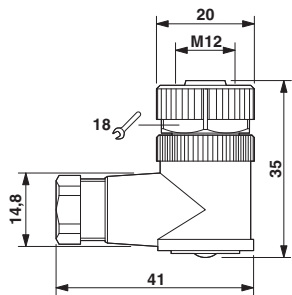
Cable connection side M12 (screw connection)

Schematic diagram



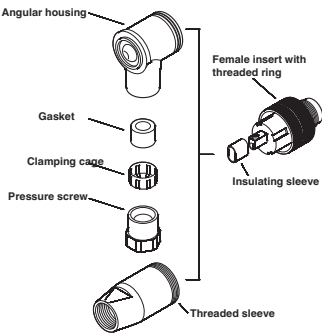
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



M12 x 1 socket, angled

Schematic diagram



Male/Female M12

Approvals



Approvals

Approvals

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


Ex Approvals


Approval details

EAC		EAC-Zulassung
EAC		RU C- DE.AI30.B.01102

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Approvals

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		

cUL 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

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