



**Automatización Eléctrica**  
Especialistas en Automatización

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## Connector - SACC-M12FR-5CON-PG9-M - 1681499

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

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 157418
Sales Key	02

### Technical data

#### Dimensions

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
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3

# Connector - SACC-M12FR-5CON-PG9-M - 1681499

## Technical data

### General

Connection method	Screw connection
Conductor cross section	0.25 mm² ... 0.75 mm²
Conductor cross section AWG	24 ... 18
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	PBT
Material, knurls	Zinc die-cast, nickel-plated
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

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

### ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062

## Connector - SACC-M12FR-5CON-PG9-M - 1681499

### Classifications

#### ETIM

ETIM 5.0	EC002062
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#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

### Approvals

#### Approvals


#### Approvals


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

#### Ex Approvals

#### Approvals submitted

#### Approval details

UL Recognized 
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cUL Recognized 
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EAC
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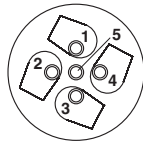
EAC
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cULus Recognized 
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### Drawings

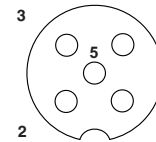
## Connector - SACC-M12FR-5CON-PG9-M - 1681499

Schematic diagram



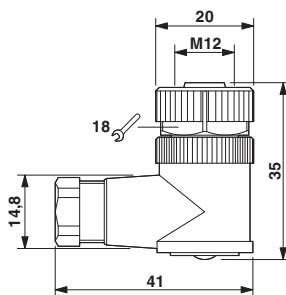
Cable connection side M12 (screw connection)

Schematic diagram



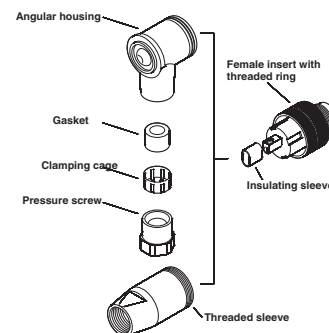
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



M12 x 1 socket, angled

Schematic diagram



Male/Female M12

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Product	Code	Reference	Product link
Connector, 5-position, Socket angled M12, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg9, External cable diameter 6 mm ... 8 mm	1681499	SACC-M12FR-5CON-PG9-M	<a href="#">Buy on EAN</a>