

## Connector - SACC-M12FS-4CON-PG7-M - 1681127

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Connector, 4-position, Socket straight M12, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg7, External cable diameter 4 mm ... 6 mm

### Product Features

- 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 pc
Weight per Piece (excluding packing)	25.0 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

External cable diameter	4 mm ... 6 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	250 V
Number of positions	4
Insulation resistance	≥ 100 MΩ

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## Technical data

### General

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 <sup>2</sup> ... 0.75 mm <sup>2</sup>
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 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 66
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

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## Classifications

### eCl@ss

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
ETIM 5.0	EC002062

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted


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#### Approval details

UL Recognized 
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## Connector - SACC-M12FS-4CON-PG7-M - 1681127

### Approvals

cUL Recognized 

EAC

EAC

cULus Recognized 

### Accessories

#### Accessories

#### Cable by the meter

Cable ring - SAC-4P-100,0-PUR/0,25 - 1501692



Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m

Cable ring - SAC-4P-100,0-PUR/0,34 - 1501663



Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m

Cable ring - SAC-4P-100,0-186/0,75 - 1457461



Cable ring, PUR/PVC black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m

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### Accessories

#### Connector

Ferrule - A 0,25- 5 - 3202465



Ferrule, Length: 5 mm, Color: silver

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#### Crimping tool

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, unlockable pressure lock, lateral entry

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#### Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



#### Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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## Connector - SACC-M12FS-4CON-PG7-M - 1681127

### Accessories

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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### Seal

Connector - SACC-M12-SET/2,5-3,5 - 1436505



Sensor/actuator connector, accessories, pressure screw and Pg7 seal, for unshielded M12 connector, cable diameter 2.5 mm - 3.5 mm

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### Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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Torque screwdriver - TSD-M 1,2NM - 1212224



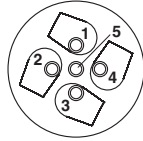
Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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### Drawings

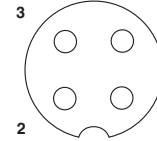
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Schematic diagram



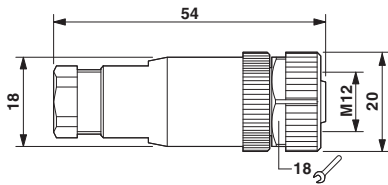
Cable connection side M12 (screw connection)

Schematic diagram



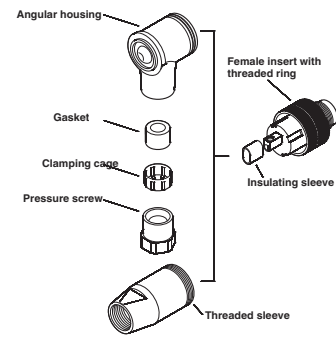
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensional drawing



M12 x 1 socket, straight

Schematic diagram



Male/Female M12

# Mouser Electronics

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