

## Power connectors - SACC-M12MRS-2PECON-PG 9-M - 1419641

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Power connectors, 3-position, Plug angled M12, S-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg9, External cable diameter 6 mm ... 8 mm, For AC current up to 16 A/230 V, Contact 4 leading

### 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
- High-performance: AC connectors for up to 16 A and 230 V AC
- Protection against incorrect connection using special S-coding



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	20.0 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

External cable diameter	6 mm ... 8 mm
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#### Ambient conditions

Degree of protection	IP67
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#### General

Note	Strip 21 mm off the cable sheath, strip 6 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Conductor length with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
Rated current at 40°C	16 A (When using 1.5 mm <sup>2</sup> conductors)
Rated voltage	230 V AC
Number of positions	3
Insulation resistance	> 10 GΩ

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### Technical data

#### General

Coding	S power
Standards/regulations	IEC 61076-2-111
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	18 ... 16
Insertion/withdrawal cycles	> 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm ... 1 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	Au
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR (Cable clamping)

#### Cable

Standards/specifications	IEC 61076-2-111
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#### Standards and Regulations

Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

### Drawings

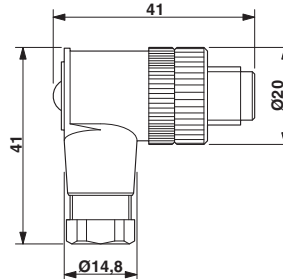
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Schematic diagram



Pin assignment of M12 plug, 3-pos., S-coded, view of pin side

Dimensional drawing



M12 x 1 male plug, angled

## Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 8.0	27440104

ETIM

ETIM 5.0	EC002635
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## Accessories

Accessories

Connector

Ferrule - Al 1,5 - 6 BK - 3200755



Ferrule, Sleeve length: 6 mm, Length: 12 mm, Color: black

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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### Accessories

#### Protective cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

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



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#### 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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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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#### Stripping tool

Stripping tool - WIREFOX 6SC - 1212158



Stripping tool, for cables and conductors (especially for cables protected against short circuits and ground leakages) 1.5 - 6 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

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#### Torque tool

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### Accessories

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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