

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

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 |
|-------------------------|---------------|

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

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 ² conductors) |
| Rated voltage | 230 V AC |
| Number of positions | 3 |
| Insulation resistance | > 10 GΩ |

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

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 ² ... 1.5 mm ² |
| 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 |
|--------------------------|-----------------|

Standards and Regulations

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

Drawings

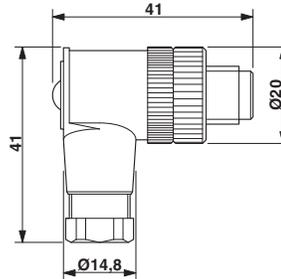
Power connectors - SACC-M12MRS-2PECON-PG 9-M - 1419641

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 |
|----------|----------|

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 mm² ... 6 mm², unlockable pressure lock, lateral entry

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

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



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

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

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 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Torque tool

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

Accessories

Torque screwdriver - TSD 04 SAC - 1208429



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

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



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