

Power connectors - SACC-M12FSS-2PECON-PG 9-M - 1419640

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Power connectors, 3-position, Socket straight 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

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) | 20.000 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) |

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Technical data

General

| | |
|-----------------------------|--|
| Rated voltage | 230 V AC |
| Number of positions | 3 |
| Insulation resistance | > 10 GΩ |
| 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 | Viton (M12 socket) 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

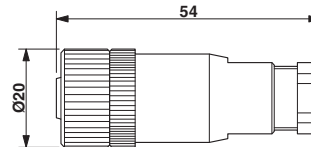
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Schematic diagram



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

Dimensional drawing



M12 x 1 socket, straight

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

Protective cap

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Accessories

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

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

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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

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



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