

Power connectors - SACC-M12MS-5CON-PG11-M PWR - 1404417

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Power connectors, 5-position, Plug straight M12, A-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 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

RoHS

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 694490 |
| GTIN | 4046356694490 |

Technical data

Dimensions

| | |
|---|----------------|
| Diameter housing | 20 mm |
| Length | 65.5 mm |
| External cable diameter | 8 mm ... 10 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

| | |
|------|---|
| Note | Strip 22 mm off the cable sheath, shorten conductor for the fifth position by 10 mm. Strip 7 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Length of conductors with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm. |
|------|---|

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Technical data

General

| | |
|-----------------------------|--|
| Rated current at 40°C | 8 A (Contact 5: 2 A) |
| | when using 1.5 mm ² conductors |
| Rated voltage | 60 V DC |
| | 48 V AC |
| Number of positions | 5 |
| Insulation resistance | > 10 GΩ |
| 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 | 0.75 mm ² ... 1.5 mm ² (without ferrule) |
| | 0.75 mm ² ... 1.5 mm ² (with ferrule) |
| | 0.75 mm ² ... 1.5 mm ² (solid) |
| Conductor cross section AWG | 18 ... 16 (without ferrule) |
| | 16 ... 18 (with ferrule) |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.4 Nm (M12 knurl) |
| | 1.5 Nm ... 2 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 | Ni/Au |
| Contact carrier material | PA |
| Material of grip body | PA |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | NBR (Cable clamping) |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Flammability rating according to UL 94 | V0 |

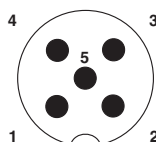
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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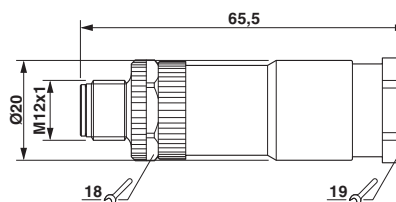
Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Dimensional drawing



Plug, M12 x 1, straight

Approvals

Approvals

Approvals


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


Ex Approvals

Approval details

| | | |
|-----|---|---------------------|
| EAC |  | 7500651.22.01.00246 |
|-----|---|---------------------|

| | | |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

| | | | |
|--------------------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal current I _N | 4 A | | |
| Nominal voltage U _N | 125 V | | |

| | | | |
|--------------------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
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Approvals

| | |
|--------------------|-------|
| Nominal voltage UN | 125 V |
|--------------------|-------|

cULus Recognized



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