

Connector - SACC-MINMR-5CON-PG11/2,5 - 1456242

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>)




Connector, 5-position, Plug angled 7/8"-16UNF, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 mm, Contact 3 capacitive

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 616874 |
| GTIN | 4046356616874 |
| Weight per Piece (excluding packing) | 60.000 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|---|----------------|
| Diameter housing | 27 mm |
| Length | 71.6 mm |
| External cable diameter | 8 mm ... 10 mm |
| Stripping length of the sheath | 30 mm |
| Stripping length of the individual wire | 7 mm |

Ambient conditions

Connector - SACC-MINMR-5CON-PG11/2,5 - 1456242

Technical data

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP67 |

General

| | |
|-----------------------------|--|
| Rated current at 40°C | 9 A |
| Rated voltage | 300 V |
| Number of positions | 5 |
| Color handle area | black |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | No |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Connection method | Screw connection |
| Conductor cross section | 0.34 mm² ... 2.5 mm² (without ferrule) |
| | 0.34 mm² ... 2.5 mm² (with ferrule) |
| | 0.34 mm² ... 2.5 mm² (solid) |
| Conductor cross section AWG | 22 ... 16 (without ferrule) |
| | 22 ... 16 (with ferrule) |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.8 Nm (7/8" connectors) |
| | 0.4 Nm (Screw terminal blocks) |
| | 1 Nm ... 1.4 Nm (Pressure nut) |
| 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 | Au |
| Contact carrier material | PUR / PA 6.6 |
| Material of grip body | PBT |
| Material, knurls | Zinc die-cast, nickel-plated |

Standards and Regulations

| | |
|--|-----|
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | HB |

Environmental Product Compliance

Connector - SACC-MINMR-5CON-PG11/2,5 - 1456242

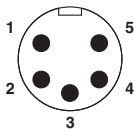
Technical data

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

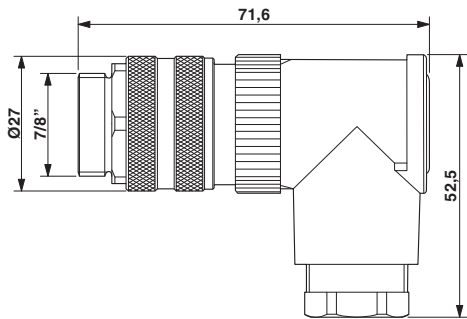
Drawings

Schematic diagram

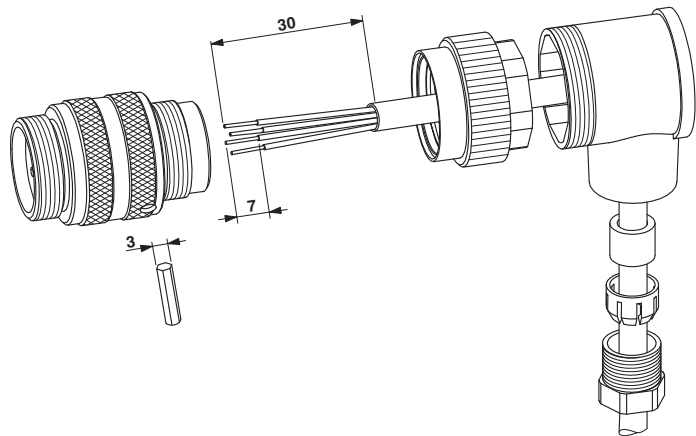


Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Dimensional drawing



Functional drawing



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260700 |

Connector - SACC-MINMR-5CON-PG11/2,5 - 1456242

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC002062 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 39121413 |

Approvals


Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals


Approval details

| | | | |
|--------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | 600 V | | |
| Nominal current IN | 16 A | | |

Connector - SACC-MINMR-5CON-PG11/2,5 - 1456242

Approvals

| | | | |
|--------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 16 A | |

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.AI30.B.01102 |
|-----|---|--------------------------|

| | | |
|------------------|---|---|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|---|---|

Accessories

Accessories

Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" connectors



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

Connector - SACC-MINMR-5CON-PG11/2,5 - 1456242

Accessories

Tool - SAC BIT MIN-D25 - 1212512



Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 08 SAC - 1212597



Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

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



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