

Flush-type connector - SACCBP-FS-12CON-M16/2,0-PVCSCO - 1442191

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Flush-type socket, shielded, 12-pos., M12, A-coded, rear/screw mounting with M16 thread, with 1 m cable, 12 x 0.14 mm²



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 160.0 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--|-------|
| Length of cable | 2 m |
| Stripping length of the free conductor end | 35 mm |

Ambient conditions

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

General

| | |
|-----------------------|-------------------------------|
| Rated current at 40°C | 1.5 A |
| Rated voltage | 30 V |
| Number of positions | 12 |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Signal type/category | Universal |

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Technical data

General

| | |
|------------------------|--|
| Status display | No |
| Surge voltage category | II |
| Pollution degree | 3 |
| Mounting type | Rear mounting M16 x 1.5 Thread with flat nut |

Material

| | |
|---|------------------------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 66 |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | NBR |

Cable

| | |
|------------------------------------|--|
| Cable type | PVC black |
| Cable type (abbreviation) | PVC |
| Conductor cross section | 0.14 mm ² |
| AWG signal line | 26 |
| Conductor structure signal line | 18x 0.10 mm |
| Core diameter including insulation | 1 mm ±0.05 mm |
| Wire colors | White-brown, green-yellow, gray-pink, blue-red, black-violet, gray/pink-red/ blue |
| Overall twist | Six pairs around the filler to the core |
| Shielding | Tinned copper braided shield |
| Optical shield covering | 85 % |
| External sheath, color | Black RAL 9005 |
| External cable diameter | 8.50 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 85 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| Outer sheath, material | PVC |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Tin-plated Cu litz wires |
| Conductor resistance | 142 Ω/km |
| Flame resistance | DIN VDE 0472 part 804, test type B |
| Resistance to oil | DIN VDE 0472 Part 803, test type B |

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Cable

| | |
|---------------------------------|---|
| Other resistance | Hydrolysis and microbe resistant as per VDE 0282 section 10 |
| Ambient temperature (operation) | -30 °C ... 85 °C (cable, fixed installation) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002061 |

UNSPSC

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

Approvals

Approvals

Approvals

GOST / GOST

Ex Approvals

Approvals submitted

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Approvals

Approval details



Accessories

Accessories

Plug for cable screw gland

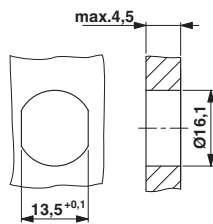
Screw plug - SACC-M16-SEALING PLUG SET - 1453368



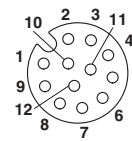
M16 screw plug for unused M12 housing cutouts

Drawings

Dimensioned drawing



Schematic diagram

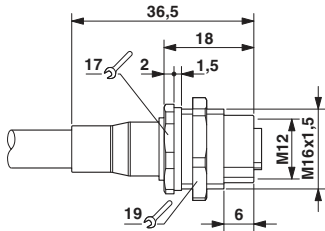


Pin assignment M12 socket, 12-pos., A-coded, view female side

Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

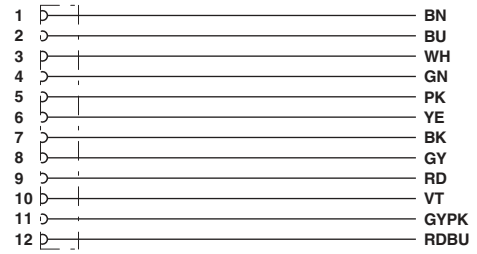
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Dimensioned drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 socket