

Bus system flat-type plug - SACCBP-M12FSB-2CON-M16/2,0-910 - 1534407

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Bus system flush-type socket, PROFIBUS, 2-pos., M12, shielded, B-coded, rear/screw mounting with M16 thread, with 2 m bus cable, 2 x 0.25 mm²



Key commercial data

| | |
|------------------------|---|
| Packing unit | 1 |
| Minimum order quantity | 1 |
| Catalog page | Page 389 (PC-2011) |
| GTIN |  4 046356 026574 |
| Custom tariff number | 85444290 |
| Country of origin | GERMANY |

Technical data

General data

| | |
|---------------------------------|---|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 2 |
| Volume resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Length of cable | 2 m |
| Ambient temperature (operation) | -20 °C ... 80 °C (cable, flexible installation) |

General characteristics

| | |
|--------------------------|---------------------------------------|
| Standards/regulations | M12 plug-in connector IEC 61076-2-101 |
| Coding | B - inverse |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP67 |
| Contact material | CuZn |
| Contact surface material | Ni/Au |

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Technical data

General characteristics

| | |
|--------------------------|---------------------|
| Contact carrier material | PA 66 |
| Material, knurls | Nickel-plated brass |
| Sealing material | NBR |
| Status display | No |
| Test voltage | 2500 V |

Conductor data

| | |
|---|---|
| Cable type | PROFIBUS |
| Cable type (abbreviation) | 910 |
| Conductor cross section | 2x 0.25 mm ² (signal line) |
| AWG signal line | 24 |
| Conductor structure signal line | 19x 0.13 mm |
| Core diameter including insulation | 2.55 mm ±0.07 mm |
| Wire colors | Red, green |
| Type of pair shielding | Aluminum-lined polyester foil |
| Overall twist | 2 cores with 2 fillers to the core |
| Shielding | Tinned copper braided shield |
| Optical shield covering | 80 % |
| External sheath, color | Violet, RAL 4001 |
| External cable diameter | 7.80 mm |
| Smallest bending radius, fixed installation | min. 78 mm |
| Smallest bending radius, movable installation | min. 78 mm |
| Number of bending cycles | 5000000 |
| Bending radius | 78 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 7 m/s ² |
| Outer sheath, material | PUR |
| Material conductor insulation | Foamed PE |
| Conductor material | Tin-plated Cu litz wires |
| Insulation resistance | ≥ 5 GΩ*km |
| Conductor resistance | ≤ 78.4 Ω/km |
| Working capacitance | 32 pF (core-core) |
| Wave impedance | Nom. 150 Ω ±10 % |
| Nominal voltage, conductor | 30 V |
| Test voltage Core/Core | 1500 V |
| Flame resistance | IEC 60332-1 |
| Flame resistance | DIN EN 50265-2-1 |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| Ambient temperature (operation) | -20 °C ... 80 °C (cable, flexible installation) |

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Classifications

eclass

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |

etim

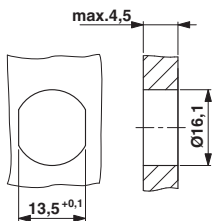
| | |
|----------|----------|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |

unspsc

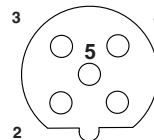
| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Drawings

Dimensioned drawing



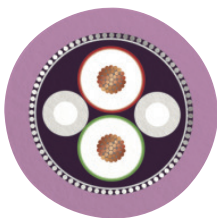
Schematic diagram



Pin assignment M12 female connector, 5-pos., B-coded, female side

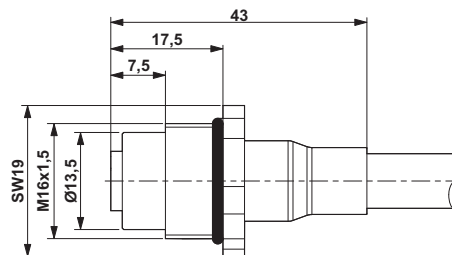
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Cable cross section



PROFIBUS [910]

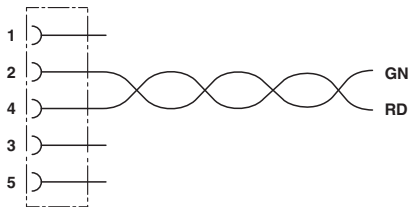
Dimensioned drawing



M12 flush-type connector

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Circuit diagram



Contact assignment of the M12 socket

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