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Bus system flush-type plug, PROFIBUS, 2-pos., M12, shielded, B-coded, front/screw mounting with M16 thread, with 10 m bus cable, $2 \times 0.25 \text{ mm}^2$



Key commercial data

| Packing unit | 11 |
|--------------------------------------|-----------|
| Weight per Piece (excluding packing) | 689.5 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Dimensions

| Length of cable | 10 m |
|--------------------|------|
| Ambient conditions | |

| Degree of protection IP67 |
|---------------------------|
|---------------------------|

General

| Rated current at 40°C | 4 A |
|------------------------|--------------------------|
| Rated voltage | 60 V |
| Number of positions | 2 |
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | \geq 100 MΩ |
| Coding | B - inverse |
| Status display | No |
| Surge voltage category | Ш |
| Pollution degree | 3 |
| Test voltage | 2500 V |

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Technical data

General

| Connection method | PROFIBUS |
|-------------------|--------------------------|
| Mounting type | Front mounting M16 x 1.5 |

Material

| Inflammability class according to UL 94 | V0 |
|---|-------|
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Material, knurls | Metal |

Cable

| AWG signal line 24 Conductor structure signal line 14 | 0.22 mm ² |
|---|---|
| Conductor structure signal line | |
| | 24 |
| | 19x 0.12 mm |
| Core diameter including insulation 2. | 2.55 mm ±0.07 mm |
| Wire colors R | Red, green |
| Type of pair shielding A | Aluminum-lined polyester foil |
| Overall twist 2 | 2 cores with 2 fillers to the core |
| Shielding B | Braided shielding made of galvanized copper wires |
| Optical shield covering 80 | 30 % |
| External sheath, color V | /iolet, RAL 4001 |
| External cable diameter 7. | 7.80 mm |
| Smallest bending radius, fixed installation m | nin. 78 mm |
| Smallest bending radius, movable installation m | nin. 78 mm |
| Number of bending cycles 50 | 500000 |
| Bending radius 78 | 78 mm |
| Traversing path 10 | 10 m |
| Traversing rate 3 | 3 m/s |
| Acceleration 7 | 7 m/s² |
| Outer sheath, material P | PUR |
| Material conductor insulation F | Foamed PE |
| Conductor material T | Fin-plated Cu litz wires |
| Insulation resistance ≥ | ≥ 5 GΩ*km |
| Conductor resistance < | ≤ 78.4 mΩ/m |
| Working capacitance 33 | 32 pF (core-core) |
| Nominal voltage, cable 30 | 30 V |



Technical data

Cable

Test voltage Core/Core

1500 V

Classifications

eCl@ss

| 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 |
| eCl@ss 8.0 | 27449001 |

ETIM

| ETIM 2.0 | EC001297 |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |

UNSPSC

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

Drawings

Dimensioned drawing



Housing cutout for M16 fastening thread, mounting panel with thread

Schematic diagram



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



Cable cross section

Dimensioned drawing



M12 flush-type plug





Contact assignment of the M12 plug

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