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Bus system flush-type socket - SACCBP-FSB-5CON-PG9/0,5-900SCO - 1437601

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Bus system flush-type socket, INTERBUS, 5-pos., M12, shielded, B-coded, SPEEDCON, rear/screw mounting with Pg9 thread, with 0.5 m bus cable, 3 x 2 x 0.25 mm²



Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 1 STK |
| GTIN | 4 046356 458344 |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

Ambient conditions

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

General

| | |
|-----------------------------|-------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Rated surge voltage | 1.5 kV |
| Number of positions | 5 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | B - inverse |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Signal type/category | INTERBUS |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Insertion/withdrawal cycles | > 100 |

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Technical data

General

| | |
|--------|-----------------------------------|
| Torque | 2 Nm ... 3 Nm (Installation-side) |
|--------|-----------------------------------|

Material

| | |
|--|---------------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA 66 |
| Material, knurls | Nickel-plated brass |
| Sealing material | FKM |

Standards and Regulations

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

Cable

| | |
|---|--------------------------------------|
| Cable type | INTERBUS |
| Cable type (abbreviation) | 900 |
| Signal type/category | INTERBUS |
| Conductor cross section | 0.22 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 32x 0.10 mm |
| Wire colors | Green-yellow, white-brown, gray-pink |
| Twisted pairs | 2 cores to the pair |
| Overall twist | 3 pairs to the core |
| Shielding | Braided copper wires |
| External sheath, color | green RAL 6017 |
| Smallest bending radius, fixed installation | 60 mm |
| Smallest bending radius, movable installation | 120 mm |
| Number of bending cycles | 5000000 |
| Bending radius | 120 mm |
| Traversing path | 10 m |
| Traversing rate | 1.6 m/s |
| Acceleration | 3.2 m/s ² |
| Outer sheath, material | PUR |
| Material conductor insulation | PE |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | > 5 GΩ*km |
| Conductor resistance | ≤ 159.8 mΩ/m |
| Working capacitance | 60 nF (At 800 Hz) |
| Signal speed | 0.66 c |

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Technical data

Cable

| | |
|---------------------------------|---|
| Nominal voltage, cable | 250 V |
| Test voltage Core/Core | 1500 V |
| Test voltage Core/Shield | 1000 V |
| Flame resistance | IEC 60332-1 |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -30 °C ... 70 °C (cable, flexible 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 | 27440103 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC000830 |
| ETIM 5.0 | EC002061 |

UNSPSC

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

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Approvals

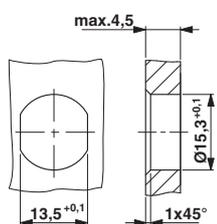
Approvals submitted

Approval details

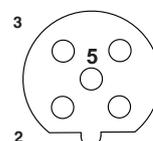
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Drawings

Dimensional drawing



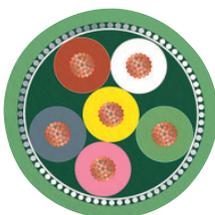
Schematic diagram



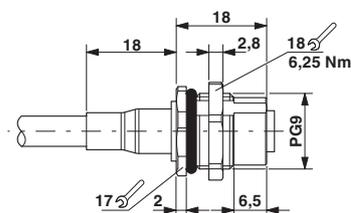
Pin assignment M12 socket, 5-pos., B-coded, female side

Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Cable cross section



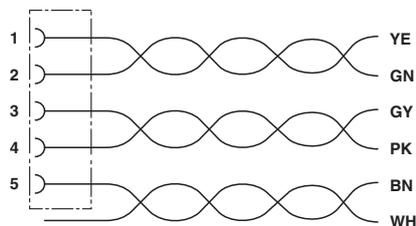
Dimensional drawing



INTERBUS [900]

M12 panel feed-through

Circuit diagram



Contact assignment of the M12 socket

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