

SUBCON-PLUS M2 - D-SUB bus connector



2761839

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D-SUB connector, 9-pos., male connector, two 35° cable entries, bus system: CAN, SUCONET K1, K2 (MOELLER), S-BUS (Saia), J-BUS (Merlin Gerin), pin assignment: 2, 3, 4, 5, 7, 9 to two screw connection terminal blocks

Product description

Two cable infeeds are often required on the D-SUB plugs used in order to build fieldbus systems with RS-485 interfaces. The SUBCON-PLUS plugs range fulfills this requirement and routes the connection to screw terminal blocks – however, duplicated – for two cables. This means clarity during wiring and it simplifies every startup. These plugs are of course also shielded against EMC influences with a metallized housing. In addition, by placing the connection block in either the upper or lower shell, it is possible to select the cable infeed on site from the right or left .

Your advantages

- Separate terminal blocks for each cable
- Assembly under field conditions
- High transmission speed
- Easy assembly thanks to knurled screws
- High level of EMC
- Flexibility in terms of cable entry selection
- Can be used universally
- Change to the D-SUB orientation through a reversible connection block

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2761839 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | 07 |
| Product key | DNC521 |
| Catalog page | Page 450 (C-6-2019) |
| GTIN | 4017918131814 |
| Weight per piece (including packing) | 75.025 g |
| Weight per piece (excluding packing) | 15.24 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

Utilization restriction

| | |
|------------|---|
| CCCex note | Use in potentially explosive areas is not permitted in China. |
|------------|---|

Product properties

| | |
|----------------|--|
| Product type | Data plug |
| MTTF | 6706 Years (SN 29500 standard, temperature 25°C, operating cycle 21%) |
| | 1817 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%) |
| | 155 Years (SN 29500 standard, temperature 40°C, operating cycle 100%) |
| Pin assignment | 2, 3, 4, 5, 7, 9 on two terminal blocks |

Electrical properties

| | |
|-----------------------|---------|
| Nominal voltage U_N | 50 V DC |
| Nominal current I_N | 100 mA |
| Transmission medium | Copper |

Connection data

D-SUB connection

| | |
|-------------------|-----------------|
| Connection method | D-SUB connector |
|-------------------|-----------------|

PCB connection

| | |
|--|----------------------|
| Connection method | Screw connection |
| Stripping length | 5 mm |
| Conductor cross section, rigid min. | 0.14 mm ² |
| Conductor cross section, rigid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1 mm ² |
| Single-wire/terminal point, rigid AWG min. | 26 |
| Single-wire/terminal point, rigid AWG max. | 16 |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 18 |

Interfaces

| | |
|------------|---|
| Bus system | CAN, SOCUNET K1, K2 (Moeller), S-BUS (Saia), J-BUS (Merlin Gerin) |
| Signal | RS-485 |

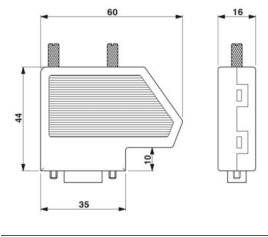
Dimensions

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| | |
|--|-------|
| Dimensional drawing | |
|  | |
| Width | 16 mm |
| Height | 44 mm |
| Length | 60 mm |

Material specifications

| | |
|------------------|-------------------|
| Material Housing | ABS, metal-plated |
|------------------|-------------------|

Cable/line

| | |
|-----------------------------|------------------------------------|
| External cable diameter () | 6 mm ... 10 mm (Incoming bus line) |
|-----------------------------|------------------------------------|

Mechanical properties

| | |
|-----------------------------|-------|
| Mechanical data | |
| Insertion/withdrawal cycles | > 200 |

Environmental and real-life conditions

| | |
|--|--|
| Ambient conditions | |
| Degree of protection | IP40 |
| Ambient temperature (operation) | -20 °C ... 75 °C |
| Ambient temperature (storage/transport) | -25 °C ... 80 °C |
| Altitude | ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing) |

Approvals

| | |
|----------------|-----|
| EAC | |
| Identification | EAC |

| | |
|----------------|---|
| ATEX | |
| Identification | Ⓔ II 3 G Ex nA IIC T4 Gc X |
| Note | Please follow the special installation instructions in the documentation! |

| | |
|--------------------|----------------------------------|
| Corrosive gas test | |
| Identification | ISA-S71.04-1985 G3 Harsh Group A |

Standards and regulations

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Free from substances that could impair the application of coating

in accordance with VW-AUDI-Seat central standard P-VW 3.10.7
57 65 0

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