

D-SUB bus connector - SUBCON-PLUS-CAN/AX/M12 - 2902326

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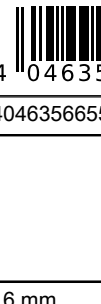
D-SUB plug, 9-pos., socket, assignment: 2, 3, 5, 6, 7, 9; two M12 cable glands (A-coded) under 180° (axial). Bus system: CAN, CANopen®. Termination resistor via separate M12 terminator.

Why buy this product

- Assembly under field conditions
- Quick connection thanks to M12-SPEEDCON fast locking system
- Through-contacted shielding from M12 to D-SUB



Key Commercial Data

| | |
|--------------|--|
| Packing unit | 1 STK |
| GTIN |  4 046356 655019 |
| GTIN | 4046356655019 |

Technical data

Dimensions

| | |
|--------|-------|
| Width | 16 mm |
| Height | 75 mm |
| Length | 38 mm |

Ambient conditions

| | |
|---|--|
| Ambient temperature (operation) | -30 °C ... 80 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -20 °C ... 80 °C |
| Permissible humidity (operation) | 10 % ... 75 % (At +25°C, non-condensing) |
| Altitude | 5000 m (For restrictions see manufacturer's declaration) |

General

| | |
|------------|---------------------------|
| Bus system | CAN, CANopen, SafetyBus-P |
| Signal | CAN |

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Technical data

General

| | |
|----------------------|--|
| | CANopen® |
| SUBCON fixing screws | 4-40 UNC |
| Tightening torque | 0.4 Nm |
| Housing material | Polyamide |
| Pin assignment | 2, 3, 5, 7, 9 |
| MTTF | 6706 Years (SN 29500 standard, temperature 25 °C, operating cycle 21 % (5 days a week, 8 hours a day)) |
| | 1817 Years (SN 29500 standard, temperature 40 °C, operating cycle 34.25 % (5 days a week, 12 hours a day)) |
| | 155 Years (SN 29500 standard, temperature 40 °C, operating cycle 100 % (7 days a week, 24 hours a day)) |

Connection data

| | |
|----------------------|---|
| Connection | D-SUB connection |
| Number of positions | 9 |
| Connection method | D-SUB socket |
| Termination resistor | separately via M12 termination resistor |
| Connection | M12 plug |
| Number of positions | 5 |
| Connection method | M12 connector, A-coded |
| Torque | 0.4 Nm |
| Connection | M12 socket |
| Number of positions | 5 |
| Connection method | M12 connector, A-coded |
| Torque | 0.4 Nm |

Standards and Regulations

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

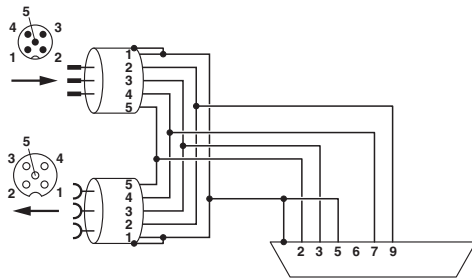
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

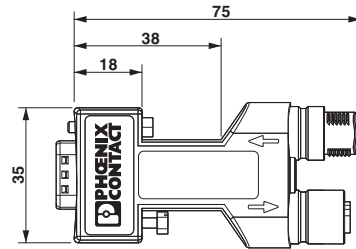
Drawings

D-SUB bus connector - SUBCON-PLUS-CAN/AX/M12 - 2902326

Block diagram



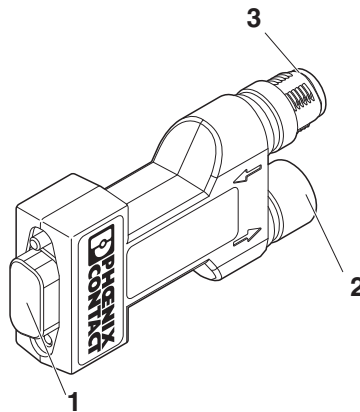
Dimensional drawing



SUBCON-PLUS...AX...M12 dimensional drawing, axial (180°) version

SUBCON-PLUS-CAN/...M12 function block diagram

Schematic diagram



Function elements

- 1 = D-SUB 9
- 2 = Outgoing M12 connection
- 3 = Incoming M12 connection
- 4 = D-SUB PG connection (depending on the version)

Approvals

Approvals

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UL Recognized / cUL Recognized / cULus Recognized


Ex Approvals


Approval details

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Approvals

| | | | |
|---------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
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| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
|----------------|---|---|---------------|

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| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | |
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