

D-SUB bus connector - SUBCON-PLUS-M/AX 9 - 2904467

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D-SUB plug, 9-pos., pin, axial design with two cable entries, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

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

- ✓ Assembly under field conditions
- ✓ Separate terminal blocks for each cable
- ✓ High transmission speed
- ✓ Easy assembly thanks to knurled screws
- ✓ High level of EMC
- ✓ For universal use



Key Commercial Data

| | |
|--------------|--|
| Packing unit | 1 pc |
| GTIN |  |
| GTIN | 4046356825573 |

Technical data

Dimensions

| | |
|---------------------|---------|
| Max. cable diameter | 8.4 mm |
| Min. cable diameter | 7.6 mm |
| Width | 17 mm |
| Height | 31.5 mm |
| Length | 58.2 mm |

Ambient conditions

D-SUB bus connector - SUBCON-PLUS-M/AX 9 - 2904467

Technical data

Ambient conditions

| | |
|---|--|
| 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) |
| Degree of protection | IP30 |

General

| | |
|-----------------------------|--|
| Nominal voltage U_N | 50 V DC |
| Nominal current I_N | 100 mA |
| Bus system | Universal type for all systems |
| Signal | RS-232 |
| | RS-422 |
| | RS-485 |
| Insertion/withdrawal cycles | > 200 |
| SUBCON fixing screws | 4-40 UNC |
| Tightening torque | 0.4 Nm |
| Housing material | ABS, metal-plated |
| Pin assignment | 1, 2, 3, 4, 5, 6, 7, 8, 9 |
| 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%) |

Connection data

| | |
|--|----------------------|
| Connection | D-SUB connection |
| Number of positions | 9 |
| Connection method | D-SUB connector |
| Tightening torque | 0.4 Nm |
| Torque | 0.4 Nm |
| Connection | PCB connection |
| Connection method | Screw connection |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 0.5 mm ² |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 0.5 mm ² |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 20 |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 20 |
| Stripping length | 4.5 mm |
| Torque | 0.4 Nm |

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Technical data

Conformance/approvals

| | |
|-----------------|---|
| Designation | EAC |
| Identification | EAC |
| Designation | ATEX |
| Identification | # II 3 G Ex nA IIC T4 Gc X |
| Additional text | Please follow the special installation instructions in the documentation! |
| Designation | Corrosive gas test |
| Identification | ISA-S71.04-1985 G3 Harsh Group A |

Standards and Regulations

| | |
|---|--|
| Free from substances that could impair the application of coating | according to P-VW 3.10.7 57 65 0 VW-AUDI-Seat central standard |
|---|--|

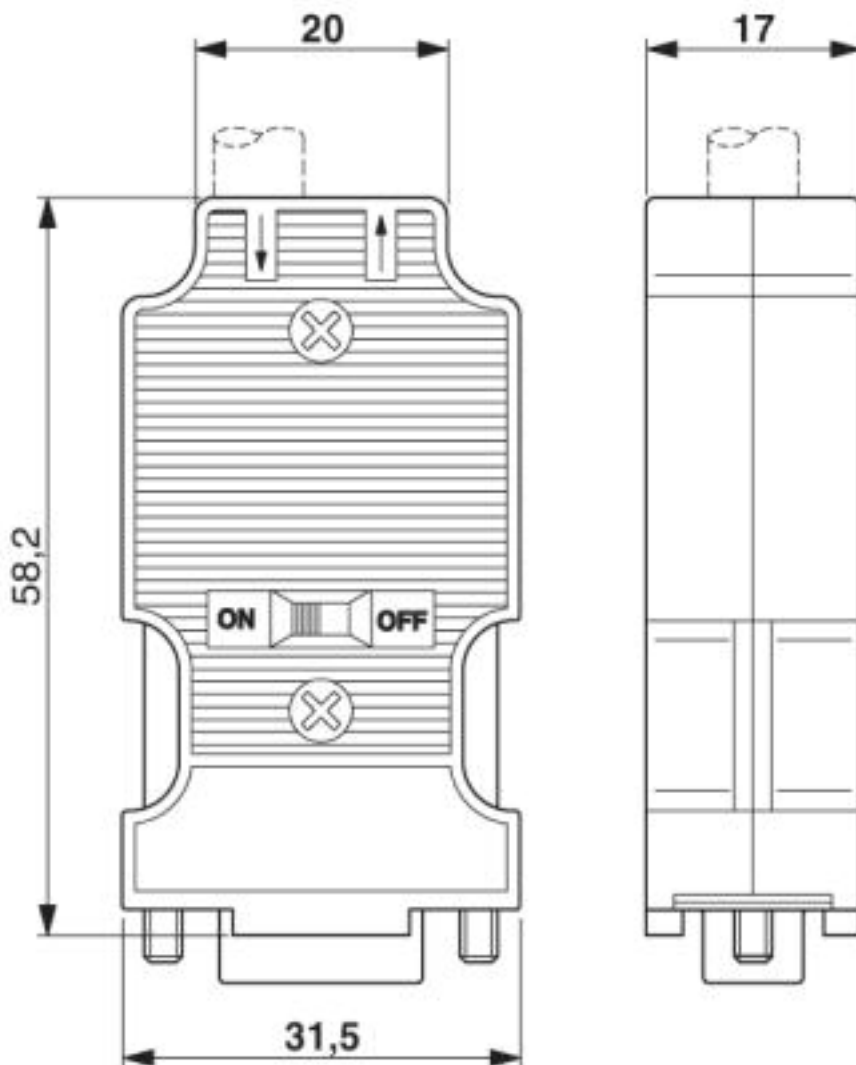
Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

D-SUB bus connector - SUBCON-PLUS-M/AX 9 - 2904467

Dimensional drawing



Dimensional drawing SUBCON-PLUS-.../AX...

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440302 |
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27143400 |
| eCl@ss 7.0 | 27440302 |
| eCl@ss 8.0 | 27440302 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 9.0 | 27440302 |
|------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001132 |
| ETIM 4.0 | EC001132 |
| ETIM 5.0 | EC001132 |
| ETIM 6.0 | EC001132 |
| ETIM 7.0 | EC001132 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11 | 39121402 |
| UNSPSC 12.01 | 39121402 |
| UNSPSC 13.2 | 39121522 |
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

ATEX

Approval details

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

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

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Approvals

EAC



EAC-Zulassung

cULus Recognized



Accessories

Accessories

Adapter

Adapter - PSM-AD-D9-NULLMODEM - 2708753



V.24 (RS-232) zero modem connector

Data plug

D-SUB gender changer - VS-09-GC-BU/BU - 1688722



D-SUB contact insert, shell size 1, with nine signal contacts, type of contact socket, gender changer, fixing with 4-40 UNC thread

D-SUB bus connector - SUBCON-PLUS-F/AX 9 - 2311797



D-SUB connector, 9-pos. female connector, axial version with two cable entries, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

D-SUB bus connector - SUBCON 9/M-SH - 2761509



D-SUB connector, 9-pos., male connector, one cable entry < 35°, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

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Accessories

Screwdriver tools

Screwdriver - SZK PH1 VDE - 1205150



Screwdriver, PH crosshead, VDE insulated, size: PH 1 x 80 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Stripping tool

Stripping pliers - QUICK WIREFOX 6 - 1204384



Stripping tool for cables with PVC insulation, stripping range: 0.08 to 6 mm², wire cutting up to 6 mm² flexible or 4 mm² rigid

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