

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/SC - 2313698

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D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

Your advantages

- ✔ Suitable for all common Fast Connect PROFIBUS cables and RS-485 bus lines



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 514163 |
| GTIN | 4046356514163 |

Technical data

Dimensions

| | |
|---------------------|---------|
| Max. cable diameter | 8.4 mm |
| Min. cable diameter | 7.6 mm |
| Width | 16.8 mm |
| Height | 34.8 mm |
| Length | 72 mm |

Ambient conditions

| | |
|---|--|
| Ambient temperature (operation) | -20 °C ... 75 °C |
| Ambient temperature (storage/transport) | -25 °C ... 80 °C |
| Altitude | 5000 m (For restrictions see manufacturer's declaration) |
| Degree of protection | IP40 |

General

| | |
|-----------------------|-------------|
| Nominal voltage U_N | 5 V |
| Nominal current I_N | 100 mA |
| Bus system | PROFIBUS DP |

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Technical data

General

| | |
|-----------------------------|--|
| Signal | PROFIBUS |
| Insertion/withdrawal cycles | > 200 |
| Test voltage | 50 V |
| SUBCON fixing screws | 4-40 UNC |
| Tightening torque | 0.4 Nm |
| Torque | 1.2 Nm (Housing screw) |
| Housing material | ABS, metal-plated |
| Pin assignment | 3, 5, 6, 8 |
| 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 connector |
| Termination resistor | 390 Ω |
| | 220 Ω |
| | 390 Ω (Can be connected externally) |
| Connection | PCB connection |
| Connection method | Screw connection |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1 mm ² |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 18 |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 16 |
| Stripping length | 5 mm |
| Tightening torque | 0.4 Nm |

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 |
| Connection in acc. with standard | CUL |
| ATEX | # II 3 G Ex nA IIC T4 Gc X |
| Noxious gas test | ISA-S71.04-1985 G3 Harsh Group A |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

ATEX

Approval details

| | | | |
|-----|--|---|---------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 2437602 |
|-----|--|---|---------|

| | | | |
|---------------|--|---|---------------|
| 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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|-----|--|--|---------------|
| EAC | | | EAC-Zulassung |
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| cULus Recognized | | | |
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