

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/PG/M12 - 2902317

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D-SUB plug, 9-pos., pin, with PG-D-SUB socket, assignment: 3, 5, 6, 8; two M12 cable glands (B-coded) under 90°. Bus system: PROFIBUS DP up to 12 Mbps. Termination resistor via separate M12 terminator.

Your advantages

- Easy startup, plug and play
- Error-free installation, particularly in standard machine production
- Quick connection thanks to M12-SPEEDCON fast locking system
- Low weight
- PROFIBUS
- Termination using M12 termination resistor
- Version with programming connection
- Adapter between IP20 and IP67 environments
- Through-contacted shielding from M12 to D-SUB



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 1 |
| GTIN | 4046356654982 |

Technical data

Dimensions

| | |
|--------|-------|
| Width | 16 mm |
| Height | 40 mm |
| Length | 71 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

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Technical data

General

| | |
|-----------------------------|--|
| Bus system | PROFIBUS DP |
| Signal | PROFIBUS |
| SUBCON fixing screws | 4-40 UNC |
| Tightening torque | 0.4 Nm |
| Housing material | Polyamide |
| 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)) |
| MTTF | 1817 Years (SN 29500 standard, temperature 40 °C, operating cycle 34.25 % (5 days a week, 12 hours a day)) |
| MTTF | 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 | separately via M12 termination resistor |
| Connection | Programming connection |
| Number of positions | 9 |
| Connection method | D-SUB socket |
| Connection | M12 plug |
| Number of positions | 5 |
| Connection method | M12 connector, B-coded |
| Torque | 0.4 Nm |
| Connection | M12 socket |
| Number of positions | 5 |
| Connection method | M12 connector, B-coded |
| Torque | 0.4 Nm |

Environmental Product Compliance

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

Classifications

eCl@ss

| | |
|-------------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440302 |
| eCl@ss 9.0 | 27440302 |

ETIM

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

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11 | 39121402 |
| UNSPSC 12.01 | 39121402 |
| UNSPSC 13.2 | 39121522 |

Accessories

Terminal resistor

SAC-5P-M12MS PB TR - 1507803



SAC-5P-M12FS PB TR - 1403911



PSI-TERMINATOR-PB-TBUS - 2702636



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Accessories

Data plug

SUBCON-PLUS-PROFIB/90/M12 - 2902318



Data cable preassembled

SAC-2P-MSB/ 0,3-910/FSB SCO - 1518106



SAC-2P-MSB/ 1,0-910/FSB SCO - 1518122



SAC-2P-MSB/ 5,0-910/FSB SCO - 1518148



SAC-2P-MSB-FSB SCO/910/... - 1538092



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Accessories

SAC-2P-FSB SCO/910/... - 1538076



SAC-2P-MSB/ 2,0-910 SCO - 1518025

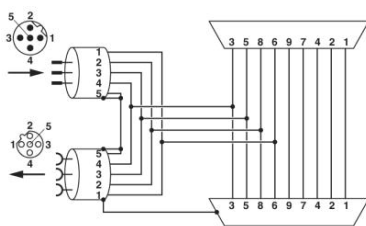


SAC-2P-FRB SCO/910/... - 1433249



Drawings

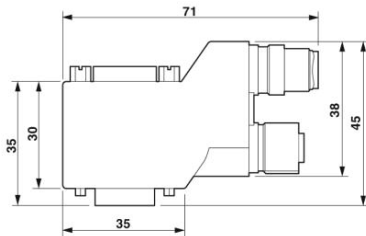
Block diagram



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

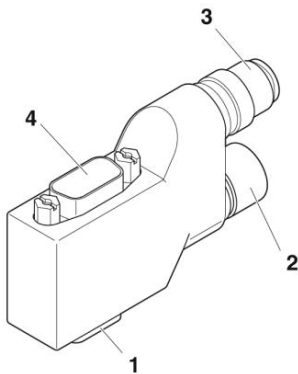
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Dimensional drawing



SUBCON-PLUS...90...M12 dimensional drawing, short 90° version

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)

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