

## D-SUB bus connector - SUBCON-PLUS-PROFIB/90/IDC - 2313672

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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; IDC terminal block connection



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	40.0 g
Custom tariff number	85366990
Country of origin	Germany

### 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)

#### General

Nominal voltage $U_N$	5 V
Nominal current $I_N$	100 mA
Bus system	PROFIBUS DP
Signal	PROFIBUS
Insertion/withdrawal cycles	> 200

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## Technical data

### General

Test voltage	50 V
SUBCON fixing screws	4-40 UNC
Tightening torque	0.4 Nm
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	IDC terminal blocks
Connection method	IDC fast connection
Conductor cross section flexible min.	0.32 mm <sup>2</sup>
Conductor cross section flexible max.	1 mm <sup>2</sup>
Conductor cross section solid min.	0.32 mm <sup>2</sup>
Conductor cross section solid max.	1 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	22
Max. AWG conductor cross section, flexible	18
Conductor cross section AWG min.	22
Conductor cross section AWG max.	18

### Standards and Regulations

Connection in acc. with standard	CUL
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### Classifications

#### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424

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### Classifications

#### eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440302

#### ETIM

ETIM 3.0	EC001132
ETIM 4.0	EC001132
ETIM 5.0	EC001132

#### UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

### Approvals

#### Approvals

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#### Approvals

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

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#### Ex Approvals


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#### Approvals submitted

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#### Approval details

CSA
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UL Recognized 
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## D-SUB bus connector - SUBCON-PLUS-PROFIB/90/IDC - 2313672

### Approvals

cUL Recognized 

EAC

cULus Recognized 

### Accessories

#### Accessories

#### Data cable by the meter

Cable - PSM-CABLE-PROFIB/FC - 2744652



PROFIBUS cable, Fast Connect type, up to 12 Mbps (02YSY (ST)CY 1x2x22 AWG)

### Data plug

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/PG/IDC - 2313685



D-SUB connector, 9-pos., male connector, cable entry  $< 90^\circ$ , bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; IDC terminal block connection

D-SUB bus connector - SUBCON-PLUS-PROFIB/PG/SC2 - 2708245



D-SUB connector, 9-pos., male connector, cable entry  $< 35^\circ$ , bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

## D-SUB bus connector - SUBCON-PLUS-PROFIB/90/IDC - 2313672

### Accessories

#### D-SUB bus connector - SUBCON-PLUS-PROFIB/AX/SC - 2744380



D-SUB connector, 9-pos., male connector, axial version with two cable entries, 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

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



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

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### Screwdriver tools

#### Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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#### Screwdriver - SZK PH1 VDE - 1205150



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

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### Stripping tool

#### Stripping pliers - QUICK WIREFOX 6 - 1204384



Stripping tool for cables with PVC insulation, stripping range: 0.08 to 6 mm<sup>2</sup>, wire cutting up to 6 mm<sup>2</sup> flexible or 4 mm<sup>2</sup> rigid

# D-SUB bus connector - SUBCON-PLUS-PROFIB/90/IDC - 2313672

## Accessories

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Stripping tool - PSM-STRIP-FC/PROFIB - 2744623

Quick stripping tool for PROFIBUS cable, type Fast Connect



## Terminal resistor

Termination resistor - PSI-TERMINATOR-PB - 2313944

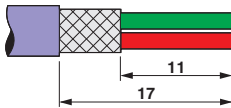


Active termination resistor for PROFIBUS and RS-485 bus systems. Compact design, electrical isolation between supply and data interface, bus termination can be activated, integrated programming interface.

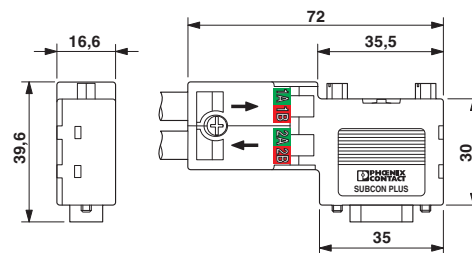
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## Drawings

Schematic diagram



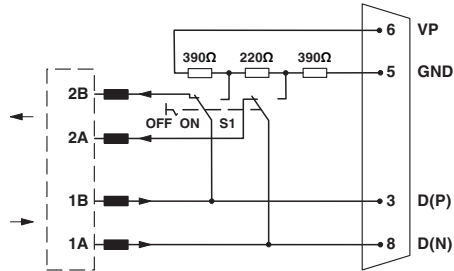
Dimensional drawing



Stripping specifications

## D-SUB bus connector - SUBCON-PLUS-PROFIB/90/IDC - 2313672

Circuit diagram



Functional diagram of the connector range  
SUBCON-PLUS-PROFIB/...

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