PHŒNIX CONTACT

D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232

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D-SUB connector, 9-pos., male connector, cable entry < 35°, 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

Product Description

The D-SUB series, SUBCON-PLUS-PROFIB/... was specially designed for use in PROFIBUS systems up to 12 Mbps. Under field conditions, it allows convenient and fast connection of the incoming and outgoing bus cable.
The terminating resistor is already integrated in all versions. It can be connected externally by means of a slide switch. At the same time, the outgoing bus segment is switched off. This makes it easy to start up segment by segment while incorrect terminations are avoided.
A special feature of the 35° angled connector is that the internal connection unit can be turned round. Whether the cable is to be inserted from the right or left can thus be decided on-site.

Your advantages

☑ Termination resistor can be connected

☑ Screw connection

☑ Cable entry under 35°

☑ Change to the D-SUB orientation through a reversible connection block

☑ Metal housing for high level of immunity to interference at maximum transmission speed

☑ Vibration and shock resistance according to EN 50155

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918960483
Weight per Piece (excluding packing)	49.700 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Max. cable diameter	8.4 mm

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Technical data

Dimensions

Min. cable diameter	7.6 mm
Width	16.6 mm
Height	39.4 mm
Length	58 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C
Degree of protection	IP20

General

Nominal voltage U_N	5 V
Nominal current I_N	100 mA
Insertion/withdrawal cycles	> 200
Housing material	ABS, metal-plated

Standards and Regulations

Connection in acc. with standard	CUL

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

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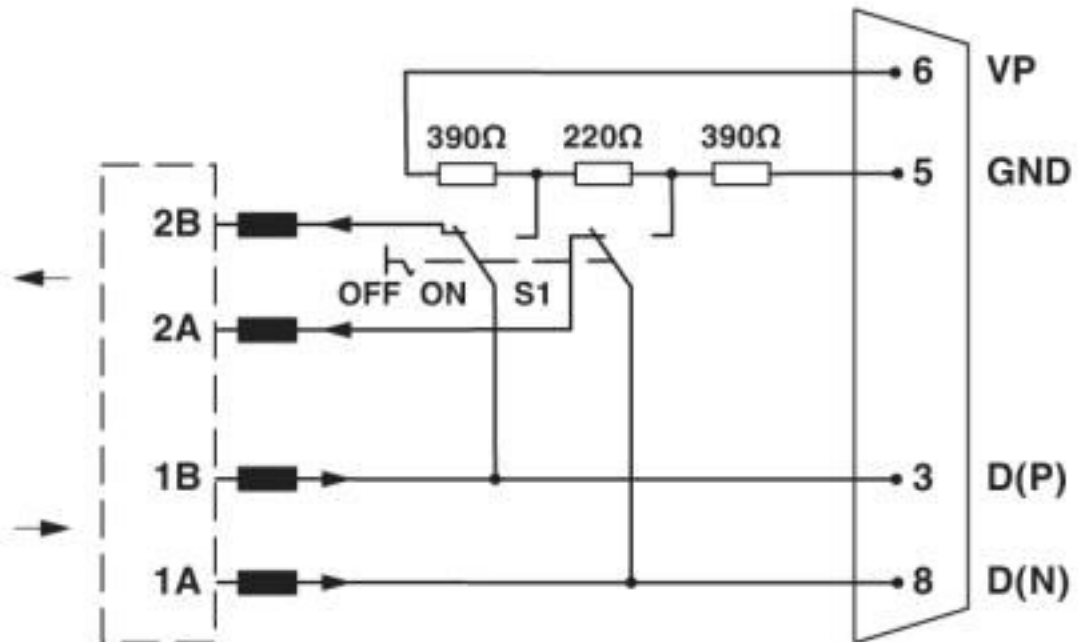
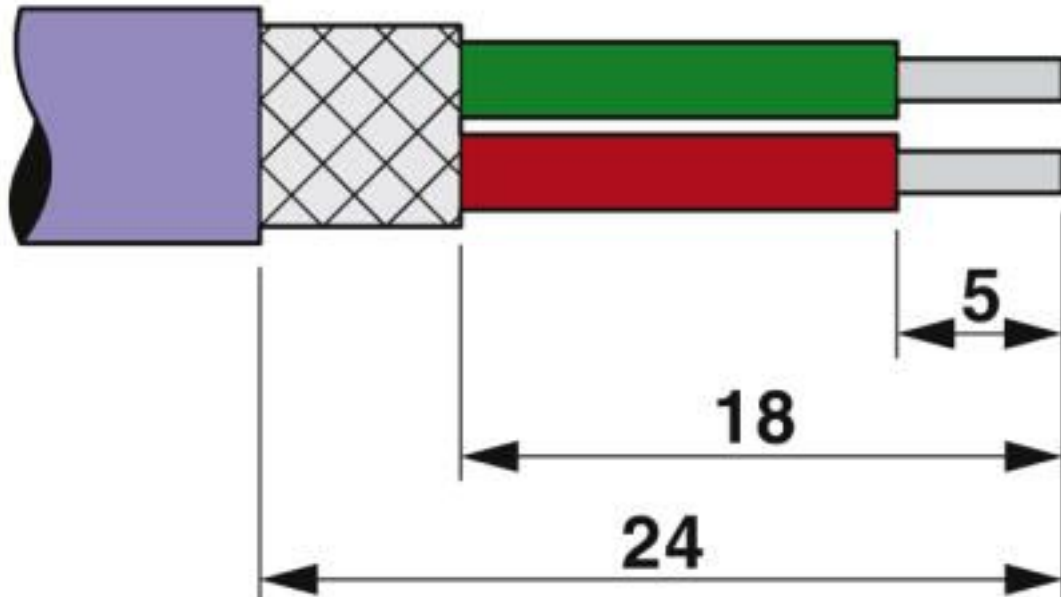# D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232

Dimensional drawing
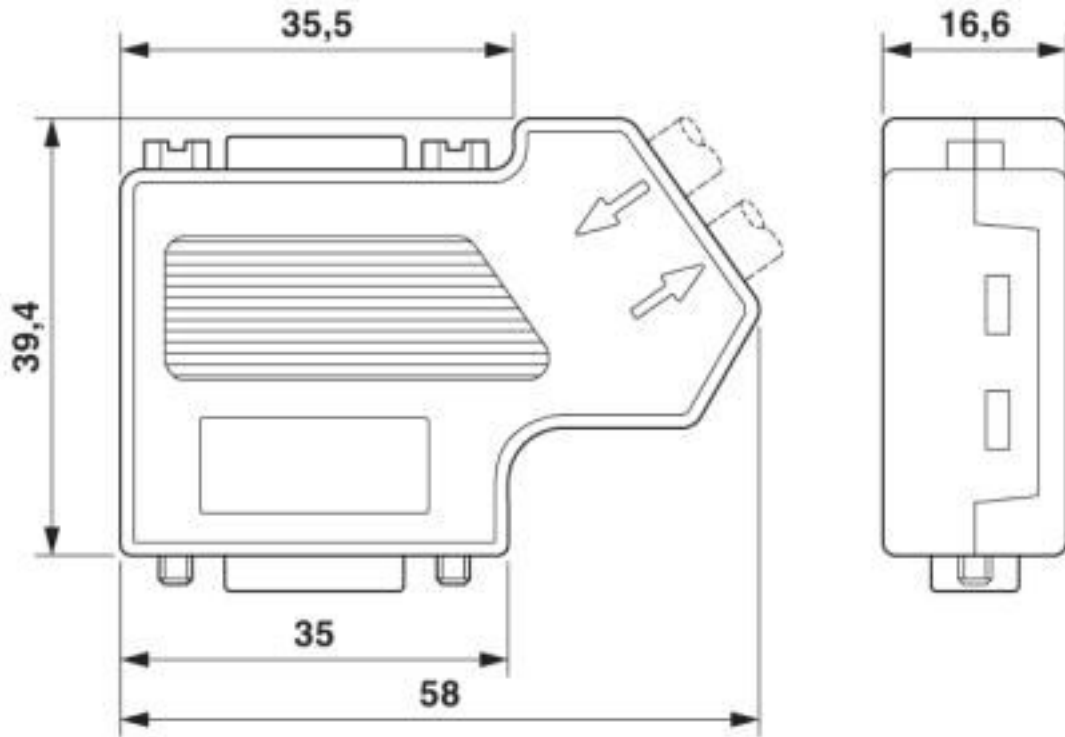
Circuit diagram

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

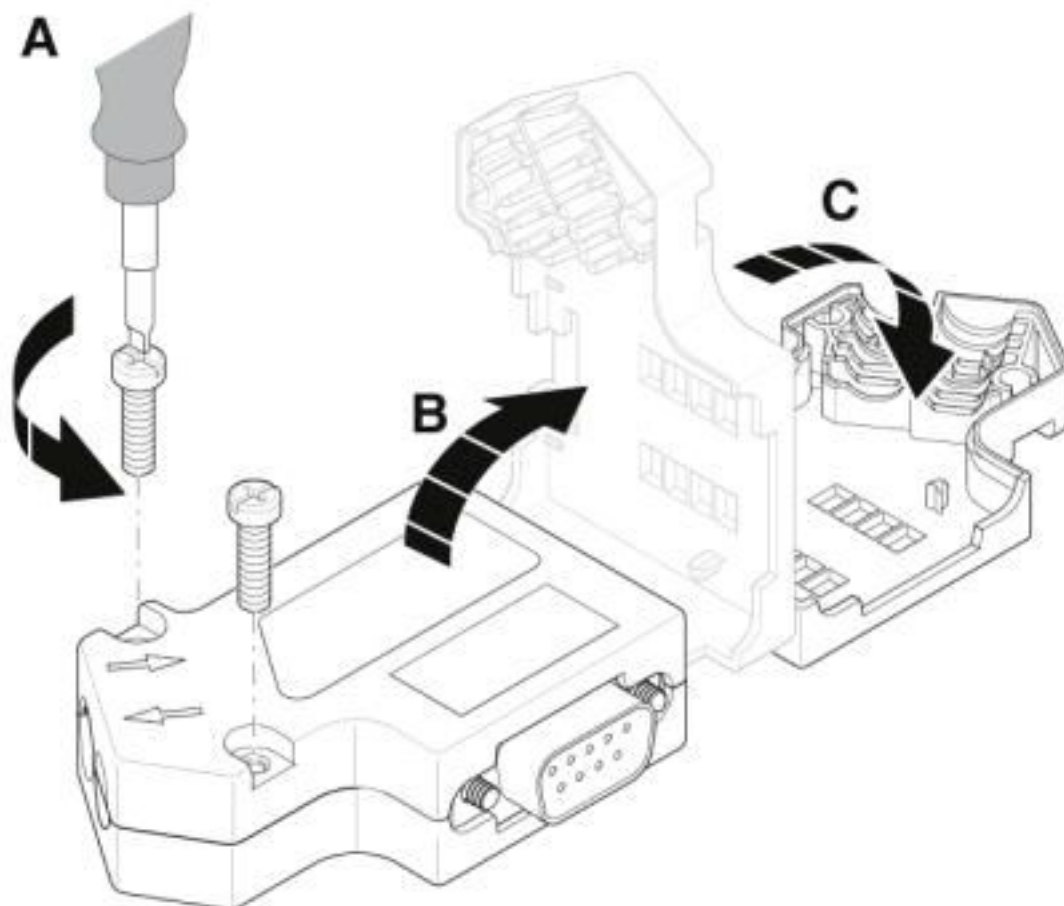# D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232

Schematic diagram

Stripping specifications

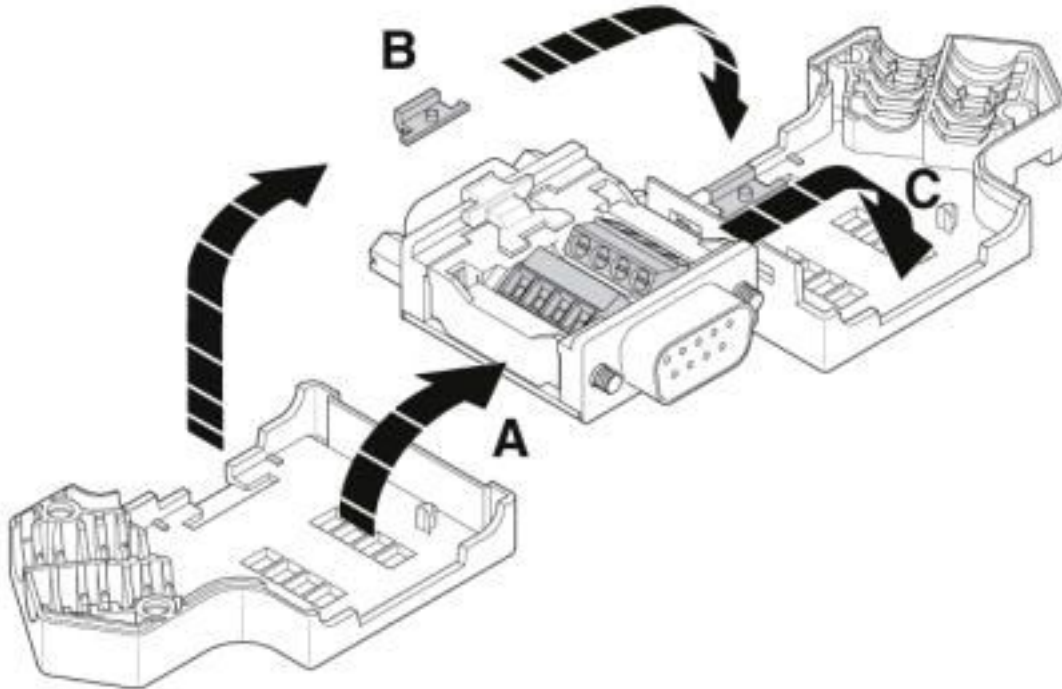# D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232

Schematic diagram

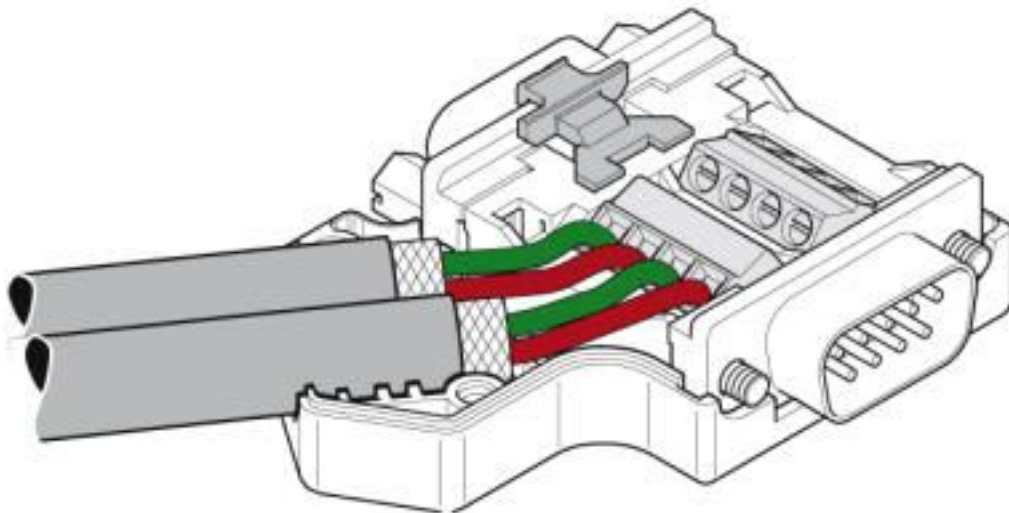Right-hand side cable entry

D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232

Schematic diagram

Right-hand side cable entry

Schematic diagram

Left-hand side cable entry

Classifications

eCl@ss

eCl@ss 10.0.1	27440302

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Classifications

eCl@ss

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
eCl@ss 9.0	27440302

ETIM

ETIM 2.0	EC001132
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

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

Ex Approvals

ATEX

Approval details

D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232

Approvals

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

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

EAC		EAC-Zulassung

cULus Recognized	

Accessories

Accessories

Data cable by the meter

Bus system cable - PSM-CABLE-PROFIB/FC - 2744652

By the meter, Bus system cable, PROFIBUS (12 Mbps), shielded, PVC FR VI/PVC, Violet, 2-wire (1X2XAWG22/1), color single wire: Red, green, cable length: Free entry (1.0 ... 1000.0 m)

Data plug

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

D-SUB connector, 9-pos., male connector, cable entry < 35°, 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

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Accessories

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

D-SUB connector, 9-pos., male connector, cable entry < 90°, 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/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

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

Screwdriver - SZK PH1 VDE - 1205150

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

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

Terminal resistor

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Accessories

Termination resistor - PSI-TERMINATOR-PB-TBUS - 2702636

Active termination resistor for PROFIBUS and RS-485 bus systems, redundant power supply, routing of the supply voltage via DIN rail connector, electrical isolation, switchable termination, integrated programming interface

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

Quick stripping tool for PROFIBUS cable, type Fast Connect