

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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



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

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

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 ²
Conductor cross section flexible max.	1 mm ²
Conductor cross section solid min.	0.32 mm ²
Conductor cross section solid max.	1 mm ²
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
Connection	Programming connection
Number of positions	9
Connection method	D-SUB socket

Standards and Regulations

Connection in acc. with standard	CUL
----------------------------------	-----

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

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
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

Approvals

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

Ex Approvals

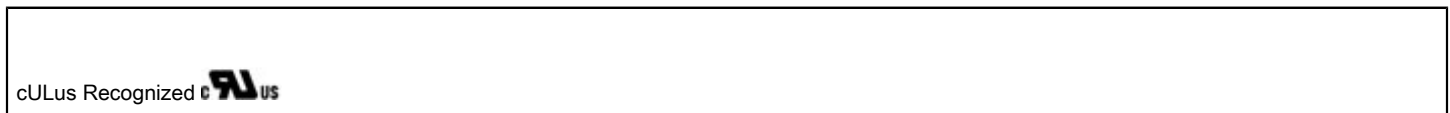
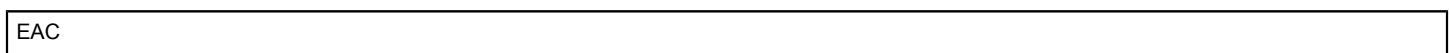
Approvals submitted

Approval details

CSA

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

Approvals



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/IDC - 2313672



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

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

Accessories

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

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

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/PG/SC - 2313708



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; 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

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

Accessories

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

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



Quick stripping tool for PROFIBUS cable, type Fast Connect

Terminal resistor

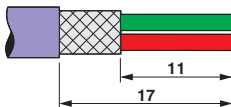
Termination resistor - PSI-TERMINATOR-PB - 2313944



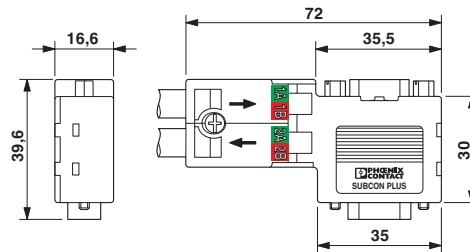
Active termination resistor for PROFIBUS and RS-485 bus systems. Compact design, electrical isolation between supply and data interface, bus termination can be activated, integrated programming interface.

Drawings

Schematic diagram



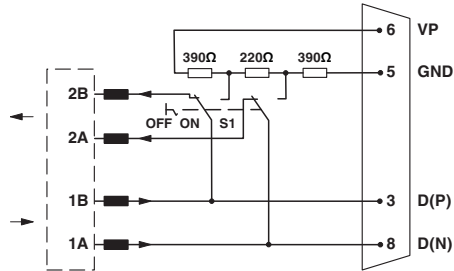
Dimensional drawing



Stripping specifications

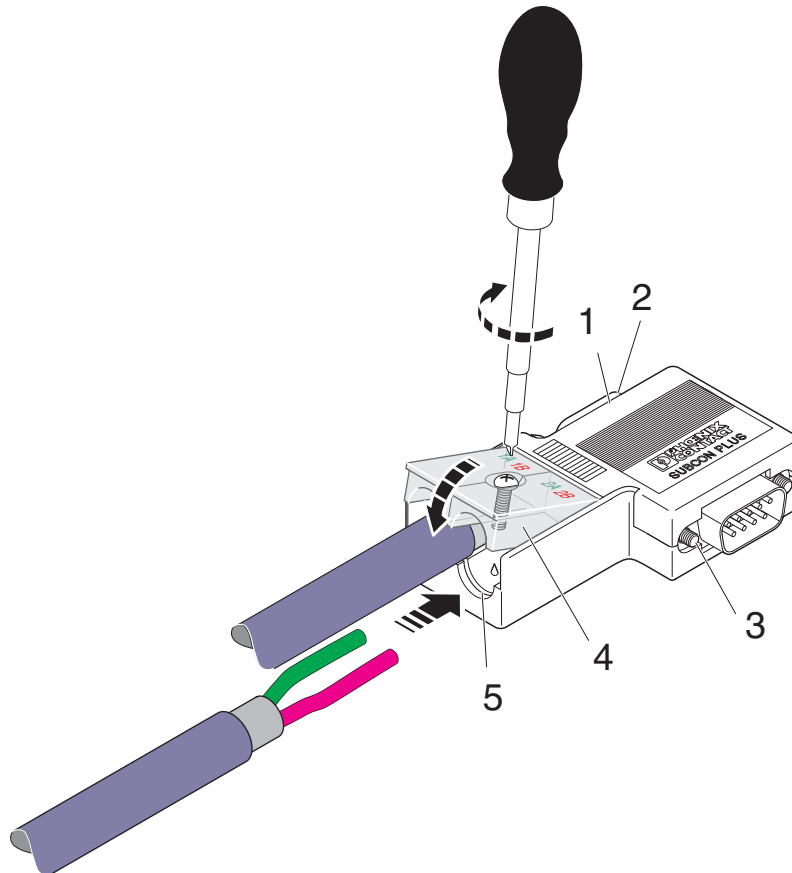
D-SUB bus connector - SUBCON-PLUS-PROFIB/90/P/IDC - 2313685

Circuit diagram



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

Schematic diagram



Connecting cables

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [D-Sub Standard Connectors](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[DCM37S732N](#) [DAM15P500](#) [DEV09S364GTLF](#) [DEM09P032N](#) [DDM50P732N](#) [DAM15S332N](#) [173109-2218](#) [173109-2466](#) [173109-2436](#)
[173109-2435](#) [56F706-005-LI](#) [56F711-015](#) [015-0341-000](#) [015-0372-008](#) [015-8544-011](#) [017041-0005](#) [020419-0104](#) [012-0515-000](#) [012-9507-](#)
[034](#) [012-9507-114](#) [012-9534-001](#) [020745-0008](#) [609-25P](#) [M24308/2-23Z](#) [M243082310F](#) [M243082410F](#) [M243082411F](#) [M24308/4-21](#)
[CT1A18-11PSA206](#) [CT1N36-5SC](#) [CT2-16S-17PS](#) [CT2-20-15PCAU](#) [CT2-24-12PS](#) [CT2-24-28PSF127A206](#) [CT2-32-9PC](#) [CT6F9767-14-4-](#)
[14S-5PC](#) [CT6FA10SL-4PS](#) [CT7-18-10SC](#) [CT7-18-10SCAU](#) [CT7-18-12SCAU](#) [CT7-18-1PC](#) [CT7-18-1PCAU](#) [CT7-18-21SCAU](#) [M83513/01-](#)
[FC](#) [M83723/76W24619 L/C](#) [M85049/48-3-2F](#) [69001-865](#) [6STD09PCM99B70X](#) [6STD09SCM99B30X](#) [6STD09SCT99S40X](#)