

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

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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

Why buy this product

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



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 514576
GTIN	4046356514576

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	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

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
Noxious gas test	ISA-S71.04-1985 G3 Harsh Group A

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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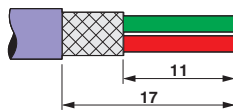
Technical data

Environmental Product Compliance

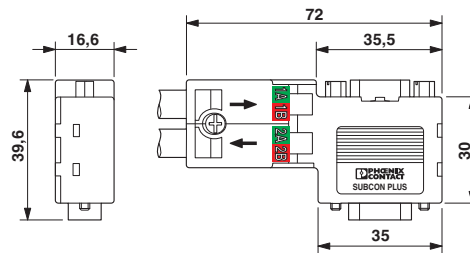
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram

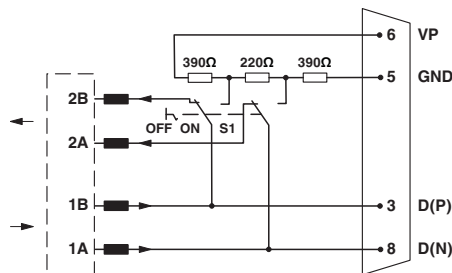


Dimensional drawing



Stripping specifications

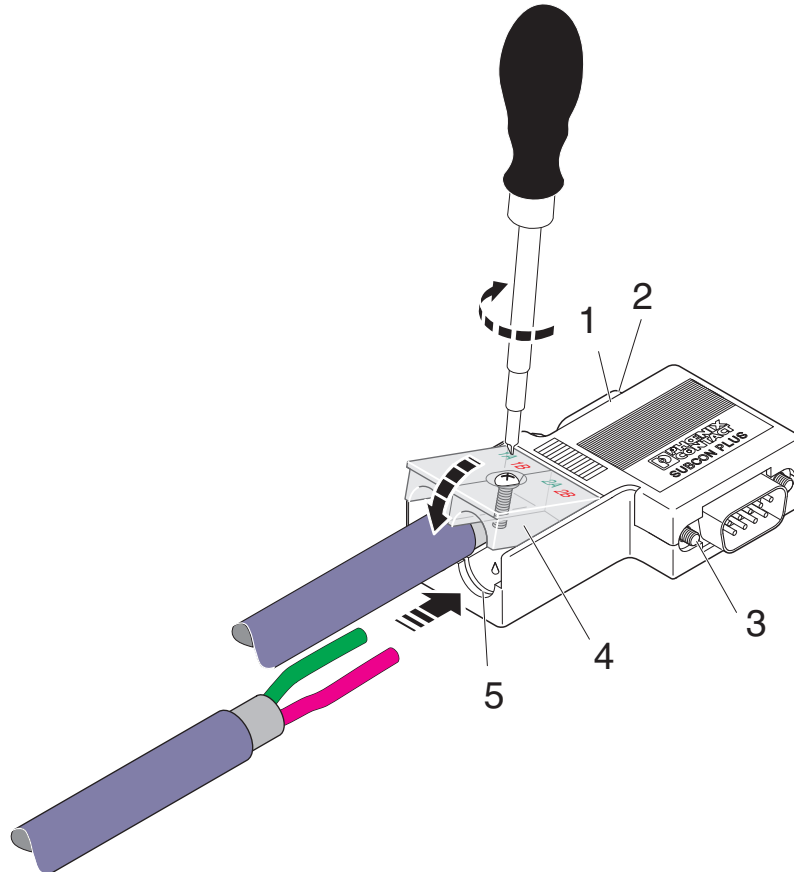
Circuit diagram



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

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Schematic diagram



Connecting cables

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

CSA





<http://www.csagroup.org/services-industries/product-listing/>

2437602


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Approvals

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		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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