

2313685

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D-SUB connector, 9-pos., pin, 90° cable outlet, 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

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.

Your advantages

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

Commercial data

Item number	2313685
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC531
Catalog page	Page 447 (C-6-2019)
GTIN	4046356514576
Weight per piece (including packing)	45.3 g
Weight per piece (excluding packing)	41 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

lote on application	
Note on application	Only for industrial use
duct properties	
Product type	Data plug
MTTF	6706 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	1817 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)
	155 Years (SN 29500 standard, temperature 40°C, operating cycle 100%)
Pin assignment	3, 5, 6, 8
ata management status	
Article revision	05
ctrical properties	
Test voltage	50 V
Maximum power dissipation for nominal condition	0.025 W
Nominal voltage U _N	5 V
Nominal current I _N	100 mA
nnection data	
Tightening torque	1.2 Nm
-SUB connection	
Connection method	D-SUB connector
DC terminal blocks	
Connection method	IDC fast connection
Conductor cross section, rigid min.	0.32 mm ²
Conductor cross section, rigid max.	1 mm²
Conductor cross section flexible min.	0.32 mm ²
Conductor cross section flexible max.	1 mm²
Single-wire/terminal point, rigid AWG min.	22
Single-wire/terminal point, rigid AWG max.	18
Min. AWG conductor cross section, flexible	22
Max. AWG conductor cross section, flexible	18
rogramming connection	
rogramming connection	

Interfaces



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Bus system	PROFIBUS DP
Signal	PROFIBUS

Dimensions

Dimensional drawing	35.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Width	16.8 mm
Height	34.8 mm
Length	72 mm

Material specifications

Material (Housing)	ABS (metal-plated)
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Cable/line

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 200
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP40
Ambient temperature (operation)	-20 °C 75 °C
Ambient temperature (storage/transport)	-25 °C 80 °C
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
Permissible humidity (operation)	10 % 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % 95 % (non-condensing)

Approvals

Corrosive gas test

Identification ISA-S71.04-1985 G3 Harsh Group A

Standards and regulations

Free from substances that could impair the application of coating	VDMA 24364:2018-05
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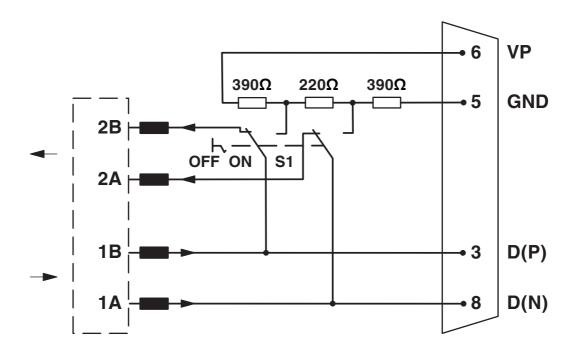


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Drawings

Circuit diagram



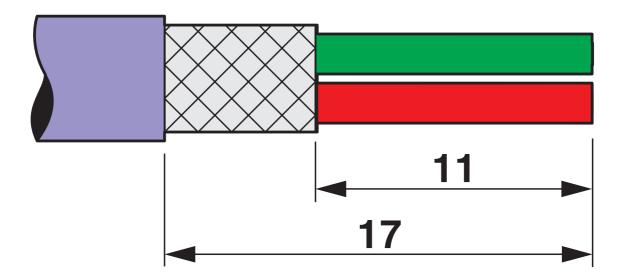
Functional diagram of the connector range SUBCON-PLUS-PROFIB/...



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Schematic diagram

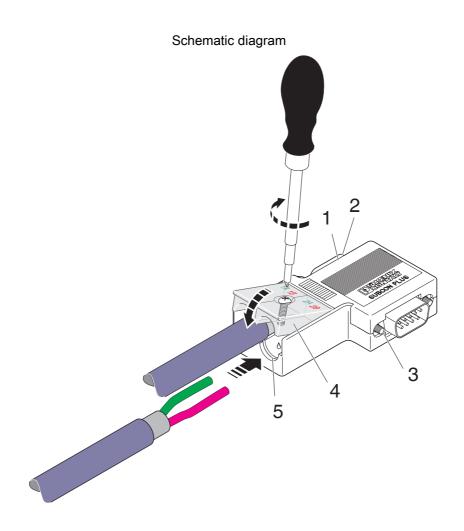


Stripping specifications



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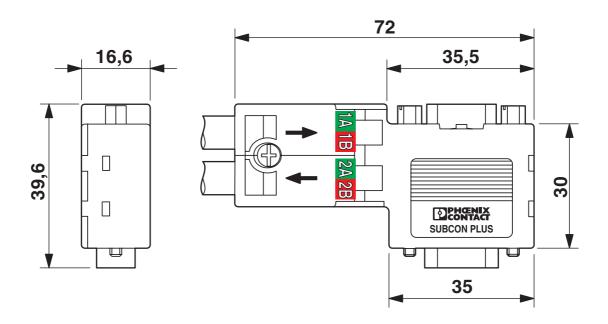
Connecting cables



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Dimensional drawing



Dimensional drawing



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Approvals

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cUL RecognizedApproval ID: E238705



UL RecognizedApproval ID: E238705



CSA Approval ID: 2437602

cULus Recognized



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440302
ECLASS-12.0	27440302
ECLASS-13.0	27440302
ETIM	
ETIM 9.0	EC001132
UNSPSC	

39121400



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	6e693fba-aa8c-4817-8c85-6fd1fb0461a7

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