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

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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; screw connection terminal blocks



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 514163

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
Test voltage	50 V
SUBCON fixing screws	4-40 UNC
Tightening torque	0.4 Nm
Housing material	ABS, metal-plated

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Technical data

General

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	PCB connection
Connection method	Screw connection
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	18
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Stripping length	5 mm
Tightening torque	0.4 Nm

Standards and Regulations

Connection in acc. with standard	CUL
ATEX	# II 3 G Ex nA IIC T4 Gc X

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

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Classifications

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

ATEX

Approvals submitted

Approval details

CSA

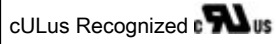
UL Recognized

cUL Recognized

EAC

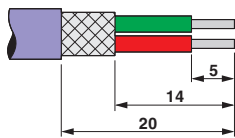
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Approvals



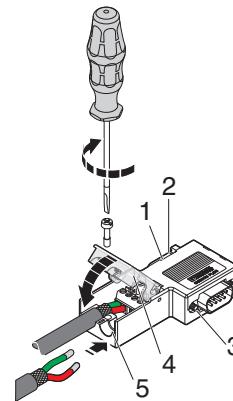
Drawings

Schematic diagram



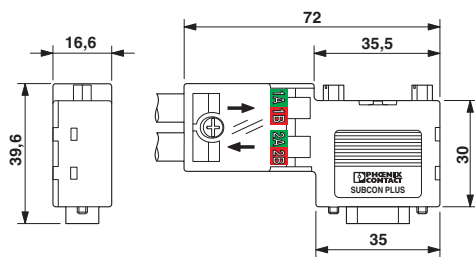
Stripping specifications

Schematic diagram

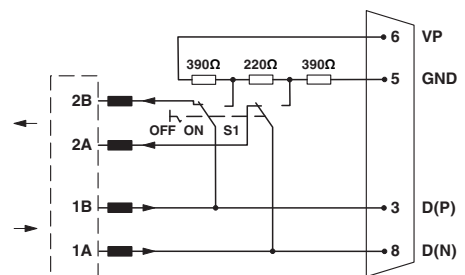


Connecting cables

Dimensional drawing



Circuit diagram



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

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