SUBCON-PLUS-M/AX 9 - D-SUB bus connector

2904467

https://www.phoenixcontact.com/us/products/2904467

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D-SUB plug, 9-pos., pin, axial design with two cable entries, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

Product description

The 9-pos. version of the SUBCON-... connector range is not just suitable for INTERBUS, but is positively ideal. A whole host of further applications are opened up by having all the connections assigned to their own 1 mm^2 screw terminal block. The range covers SUBCON plugs for point-to-point connections with a cable infeed in 9, 15 and 25-pos. male or female versions.

Your advantages

- Assembly under field conditions
- Separate terminal blocks for each cable
- High transmission speed
- Easy assembly thanks to knurled screws
- High level of EMC
- Can be used universally

Commercial data

Item number	2904467
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC511
Catalog page	Page 450 (C-6-2019)
GTIN	4046356825573
Weight per piece (including packing)	43.3 g
Weight per piece (excluding packing)	43 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.

Product 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	All connections are 1:1 on the screw terminal block

Electrical properties

Nominal voltage U_N	50 V DC
Nominal current I_N	100 mA

Connection data

D-SUB connection

Connection method	D-SUB connector

PCB connection

Connection method	Screw connection
Stripping length	4.5 mm
Conductor cross section, rigid min.	0.14 mm²
Conductor cross section, rigid max.	0.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	0.5 mm²
Single-wire/terminal point, rigid AWG min.	26
Single-wire/terminal point, rigid AWG max.	20
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	20

Interfaces
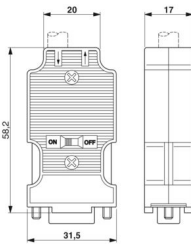
Bus system	Universal type for all systems
Signal	RS-232
	RS-422
	RS-485

Dimensions

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Dimensional drawing	
Width	17 mm
Height	31.5 mm
Length	58.2 mm

Material specifications

Material (Housing)	ABS (metal-plated)

Cable/line

External cable diameter	7.6 mm ... 8.4 mm (Incoming bus line)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 200

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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

ATEX

Identification	Ⓔx II 3 G Ex ec IIC T4 Gc
Certificate	PxCIF15ATEX2744241X
Note	Please follow the special installation instructions in the documentation!

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	in accordance with VW-AUDI-Seat central standard P-VW 3.10.7 57 65 0

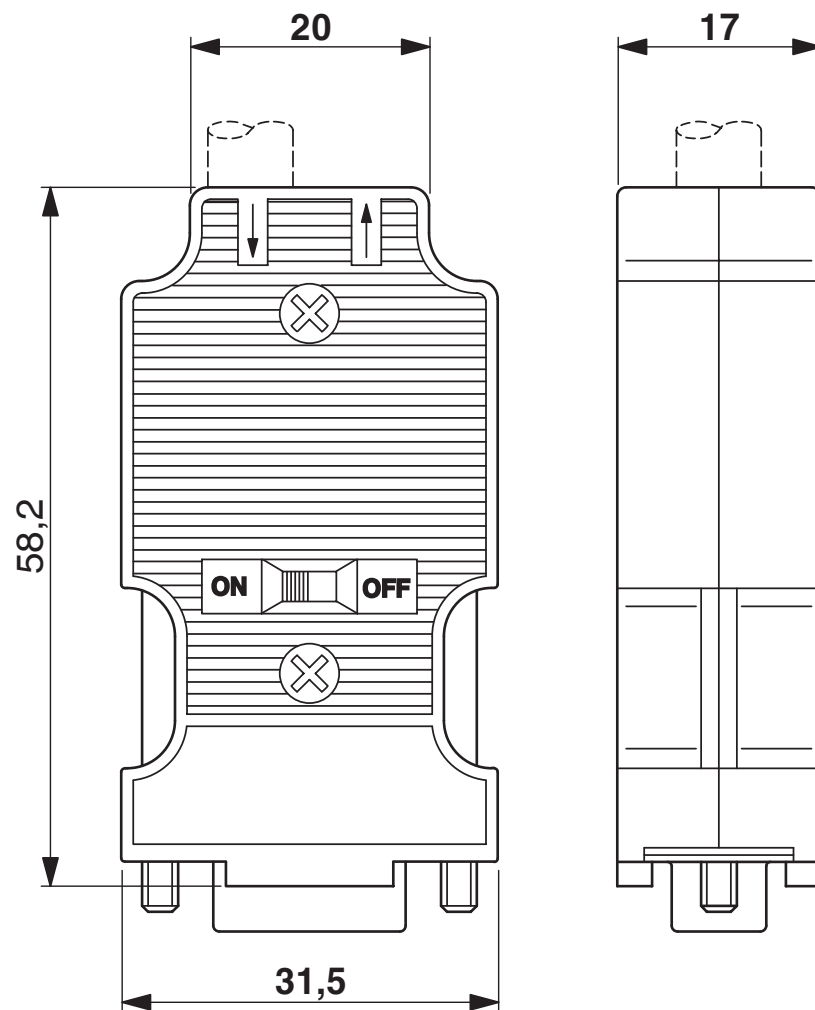# SUBCON-PLUS-M/AX 9 - D-SUB bus connector

Drawings

Dimensional drawing

20

17

58,2

ON OFF

31,5

Dimensional drawing SUBCON-PLUS-.../AX...

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2904467

cUL Recognized
Approval ID: FILE E 238705

UL Recognized
Approval ID: FILE E 238705

EAC
Approval ID: EAC-Zulassung

ATEX
Approval ID: PxCIF15ATEX2744241X

cULus Recognized

Classifications

ECLASS

ECLASS-11.0	27440302
ECLASS-13.0	27440302
ECLASS-12.0	27440302

ETIM

ETIM 9.0	EC001132

UNSPSC

UNSPSC 21.0	39121400

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	0faa3cd7-8126-4dbd-bb71-5c88486d8600

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Accessories

VS-09-GC-BU/BU - D-SUB gender changer

1688722

https://www.phoenixcontact.com/us/products/1688722

D-SUB gender changer, degree of protection: IP20, number of positions: 9, material: Metal, connection method: Coupling, cable outlet: angled, housing size: 1, Universal

SUBCON-PLUS-F/AX 9 - D-SUB bus connector

2311797

https://www.phoenixcontact.com/us/products/2311797

D-SUB connector, 9-pos. female connector, axial version with two cable entries, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

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SUBCON 9/M-SH - D-SUB bus connector

2761509

https://www.phoenixcontact.com/us/products/2761509

D-SUB connector, 9-pos., pin, one 35° cable outlet, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

QUICK WIREFOX 6 - Stripping pliers

1204384

https://www.phoenixcontact.com/us/products/1204384

Stripping tool for cables with PVC insulation, stripping range: 0.08 to 6 mm^2, wire cutting up to 6 mm^2 flexible or 4 mm^2 rigid

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SZK PH1 VDE - Screwdriver

1205150

https://www.phoenixcontact.com/us/products/1205150

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

SZS 0,4X2,0 - Screwdriver

1205202

https://www.phoenixcontact.com/us/products/1205202

Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

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PSM-AD-D9-NULLMODEM - Adapter

2708753

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V.24 (RS-232) zero modem connector

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