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PHŒNIX CONTACT

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

Why buy this product

- Easy assembly thanks to knurled screws
- High level of EMC
- Assembly under field conditions
- For universal use

RS-485 *Modbus* RS-232 RS-422

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 825573

Technical data

Dimensions

Max. cable diameter	8.4 mm
Min. cable diameter	7.6 mm
Width	17 mm
Height	31.5 mm
Length	58.2 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	50 V
Nominal current I_N	100 mA
Bus system	Universal type for all systems
Signal	RS-232

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Technical data

General

	RS-422
	RS-485
Insertion/withdrawal cycles	> 200
SUBCON fixing screws	4-40 UNC
Tightening torque	0.4 Nm
Housing material	ABS, metal-plated
Pin assignment	1, 2, 3, 4, 5, 6, 7, 8, 9
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
Tightening torque	0.4 Nm
Torque	0.4 Nm
Connection	PCB connection
Connection method	Screw connection
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	0.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	0.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	20
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20
Stripping length	4.5 mm
Torque	0.4 Nm

Standards and Regulations

ATEX	# II 3 G Ex nA IIC T4 Gc X

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424

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Classifications

eCl@ss

eCl@ss 6.0	27143424
eCl@ss 7.0	27440302
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

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

ATEX

Approvals submitted

Approval details

UL Recognized 🏷
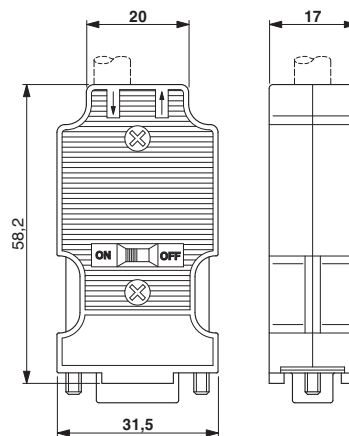
cUL Recognized 🏷

EAC

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Approvals

cULus Recognized

Drawings

Dimensional drawing

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

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Product	Code	Reference	Product link
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