

SUBCON-PLUS-ARCNET/AX/SC038 - D-SUB bus connector



2903271

<https://www.phoenixcontact.com/us/products/2903271>

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D-SUB plug, 9-pos., pin, axial version with two cable entries, bus system: ARCnet, termination resistor can be switched on via slide switch, pin assignment: 3, 8; screw connection terminal blocks

Commercial data

Item number	2903271
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	DNC5Z1
GTIN	4046356731218
Weight per piece (including packing)	37.41 g
Weight per piece (excluding packing)	37.366 g
Country of origin	DE

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Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Data plug
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Electrical properties

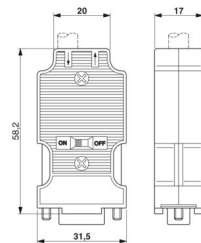
Nominal voltage U_N	50 V AC/DC
Nominal current I_N	100 mA

Connection data

D-SUB connection

Connection method	D-SUB socket
Connection method	Screw connection
Conductor cross-section, rigid min.	0.14 mm ²
Conductor cross-section, rigid max.	1.5 mm ²
Conductor cross-section flexible min.	0.14 mm ²
Conductor cross-section flexible max.	1 mm ²
Single-wire/terminal point, rigid AWG min.	26
Single-wire/terminal point, rigid AWG max.	16
Min. AWG conductor cross-section, flexible	26
Max. AWG conductor cross-section, flexible	18

Dimensions

Dimensional drawing	
Width	17 mm
Height	31.5 mm
Length	58.2 mm

Cable/line

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

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Mechanical data

Insertion/withdrawal cycles	> 200
Fixing screws	4-40 UNC
Tightening torque	0.4 Nm

Mechanical tests

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	Operation: 5g, 10...150 Hz, 2.5 h, in XYZ direction
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	Operation: 15g, 11 ms period, half-sine shock pulse

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
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Standards and regulations

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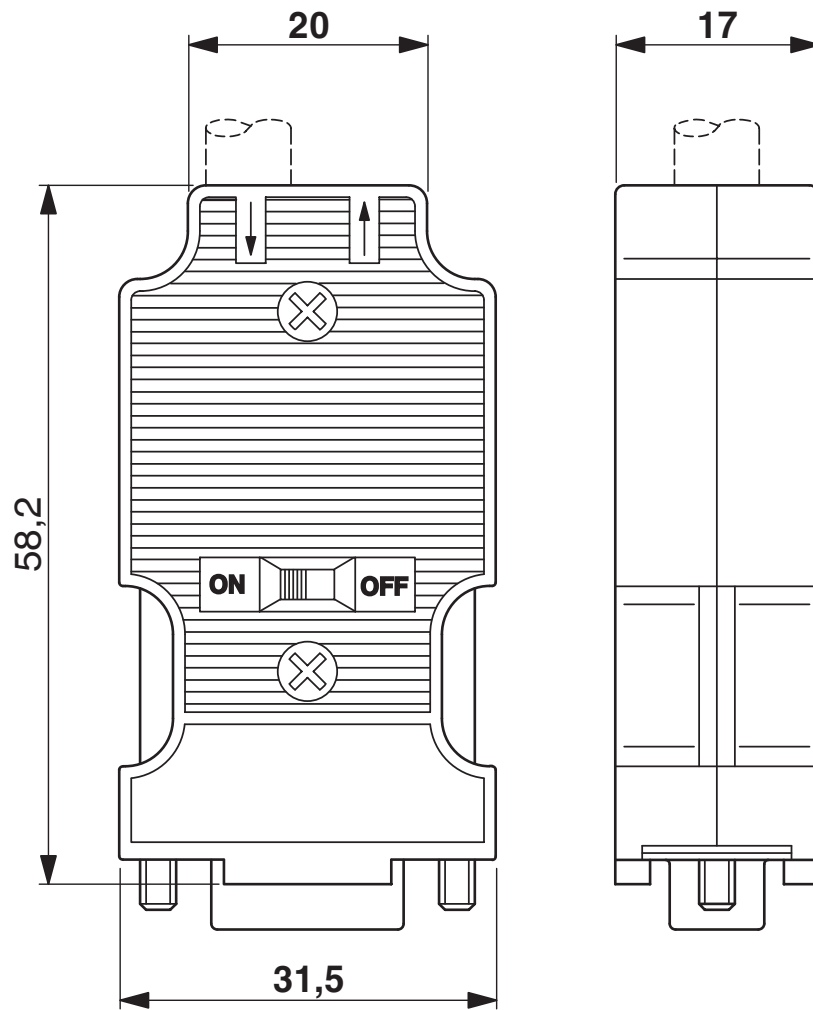


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Drawings

Dimensional drawing



Dimensional drawing

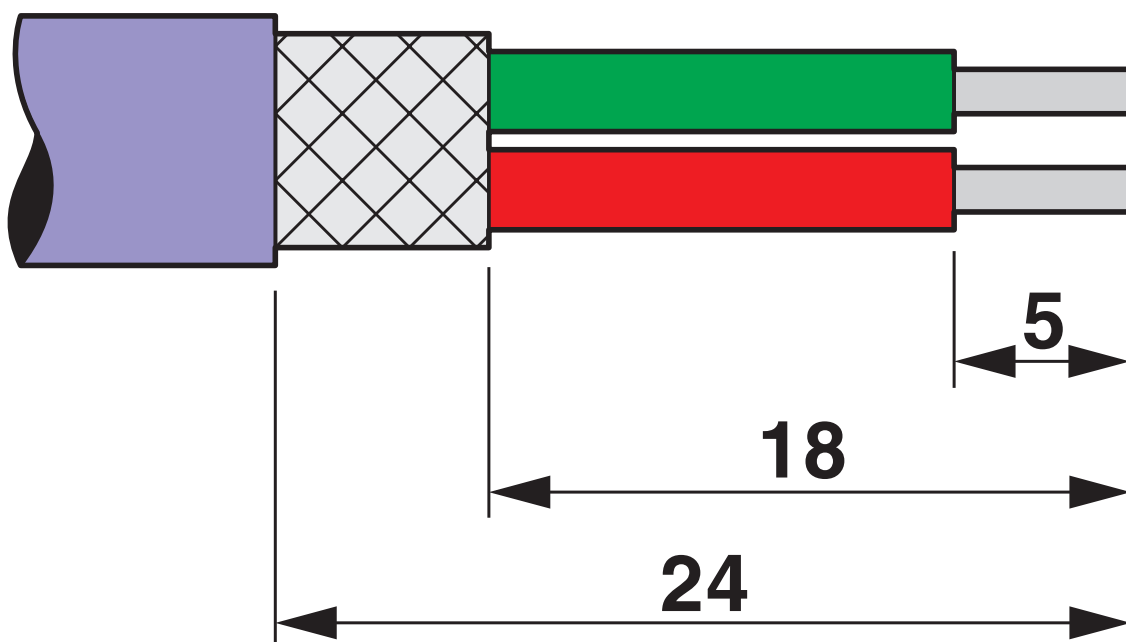
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Schematic diagram



Stripping specifications

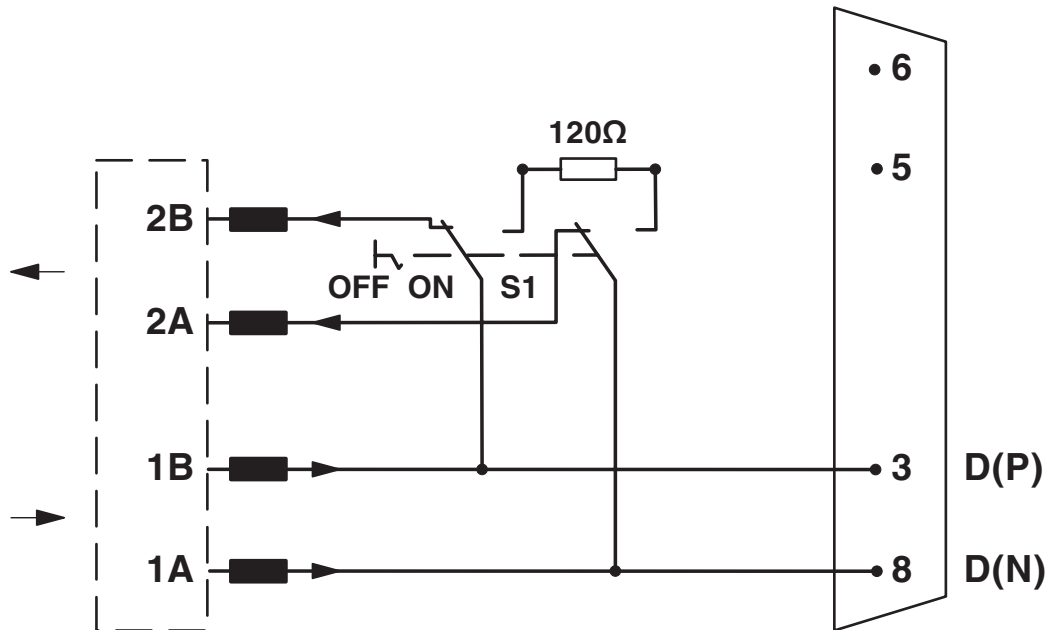
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Circuit diagram



Circuit diagram

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Classifications

ECLASS

ECLASS-13.0	27440302
ECLASS-15.0	27440322

ETIM

ETIM 10.0	EC001132
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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EF3.1 Climate Change

CO2e kg	0.493 kg CO2e
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