

2310808

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D-SUB connector, 9-pos., male connector, two 35° cable entries, bus system: for Inline Modbus RTU/ASCII bus coupler termination resistance can be connected via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

Your advantages

• Change to the D-SUB orientation through a reversible connection block

Commercial data

Item number	2310808
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC512
GTIN	4046356124461
Weight per piece (including packing)	46.266 g
Weight per piece (excluding packing)	41.8 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Note of	on app	lication
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Note on application	Only for industrial use

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	3, 5, 6, 8

Electrical properties

Nominal voltage U _N	5 V
Nominal current I _N	100 mA

D-SUB connector

Connection data

D-SUB connection

Connection method

Connection method	Screw connection
Stripping length	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

Signal	Modbus

Dimensions



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	Dimensional drawing	60
	Width	16 mm
	Height	49.5 mm
	Length	60 mm
Material specifications		
	Material (Housing)	ABS (metal-plated)
Cable/line		
	External cable diameter	7.6 mm 10 mm (Incoming bus line)
Mechanical properties Mechanical data		
ľ	Insertion/withdrawal cycles	> 200
	instituti mitialawai oyolos	- 200
Mechanical tests		
	Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	Vibration (operation): 5g, 10150 Hz, 2.5 h, in XYZ direction
	Shock in accordance with EN 60068-2-27/IEC 60068-2-27	Shock (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

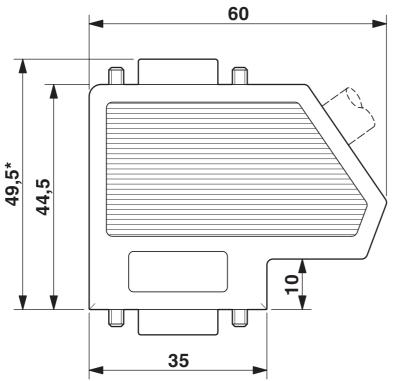


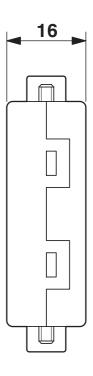
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Drawings

Dimensional drawing





Dimensional drawing



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2310808



cUL RecognizedApproval ID: E238705



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-13.0	27440302	
	ECLASS-15.0	27440322	
ETIM			
	ETIM 9.0	EC001132	
UI	NSPSC		

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements Exemption	Yes 7(c)-I
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.)	No substance above 0.1 wt%

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