

SUBCON 15/F-SH - D-SUB bus connector



2761596

<https://www.phoenixcontact.com/us/products/2761596>

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D-SUB connector, 15-pos. socket, one 35° cable outlet, universal type for all systems, pin assignment: 1, 2, 3, ..., 14, 15 to screw connection terminal block

Product description

The range covers SUBCON plugs for point-to-point connections with a cable infeed in 9, 15 and 25-pos. male or female versions. The optional fastening screw SUBCON-SHORT-SCREW is available as an accessory for narrow installation conditions. The screw is completely integrated into the housing by not having a knurl.

Your advantages

- Easy assembly thanks to knurled screws
- Flexibility in terms of cable entry selection
- Assembly under field conditions
- High level of EMC
- Can be used universally
- Change to the D-SUB orientation through a reversible connection block

Commercial data

Item number	2761596
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC511
Catalog page	Page 451 (C-6-2019)
GTIN	4017918104818
Weight per piece (including packing)	79.2 g
Weight per piece (excluding packing)	67.1 g
Customs tariff number	85366990
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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Utilization restriction

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

Connection data

D-SUB connection

Connection method	D-SUB socket
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PCB connection

Connection method	Screw connection
Stripping length	5 mm
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

Interfaces

Signal	Modbus
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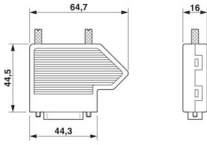
Dimensions

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Dimensional drawing		
Width		16 mm
Height		55 mm
Length		65 mm

Material specifications

Material (Housing)	ABS (metal-plated)
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Cable/line

External cable diameter	4 mm ... 10 mm (Incoming bus line)
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 200
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Mechanical tests

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: 5g, 10...150 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	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	Ex II 3 G Ex ec IIC T4 Gc
Certificate	PxCIF15ATEX2761499X
Note	Please follow the special installation instructions in the documentation!

UKEX

Identification	Ex II 3 G Ex ec IIC T4 Gc
Certificate	PxCIMA22UKEX2761499X

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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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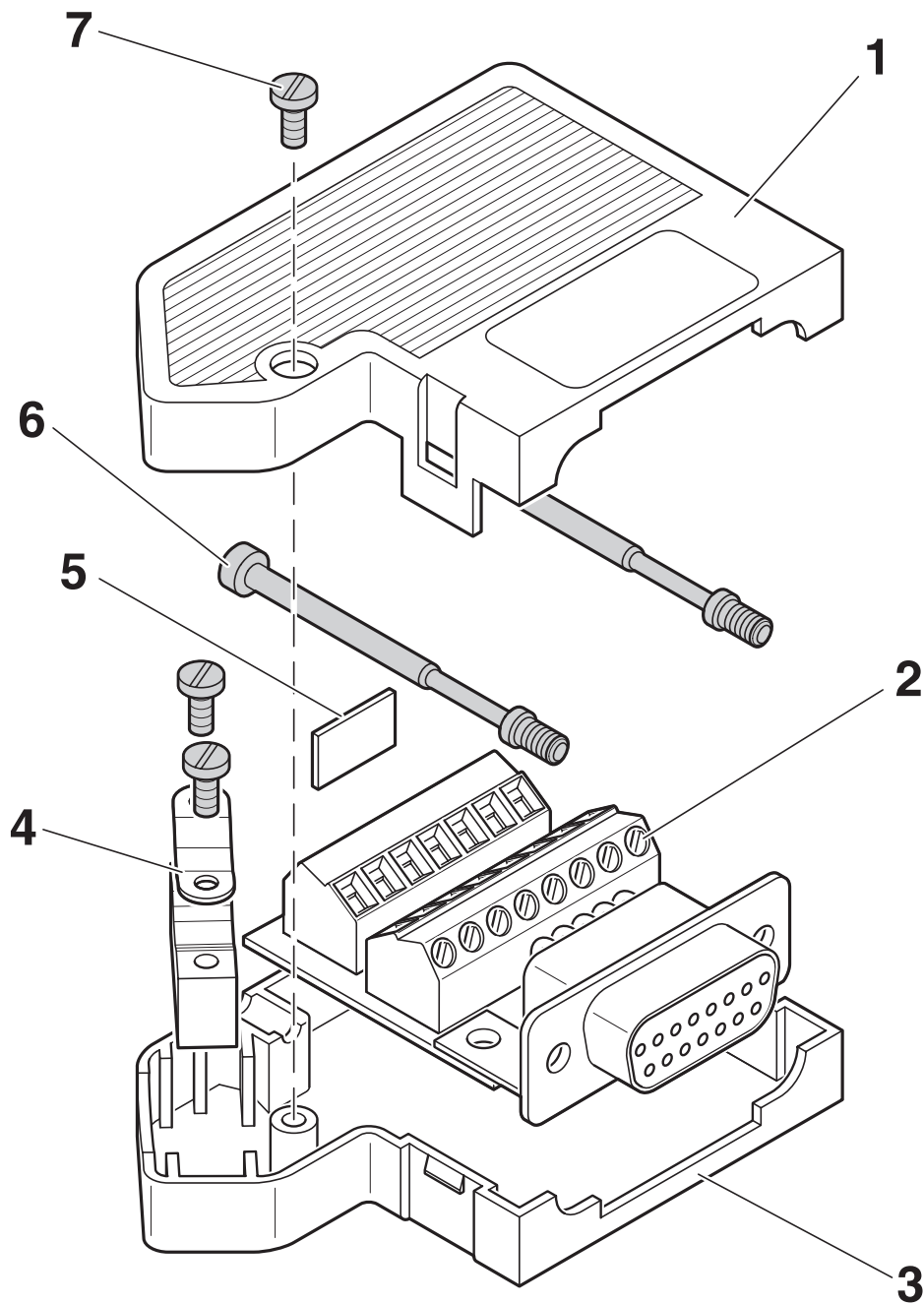
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Drawings

Schematic diagram



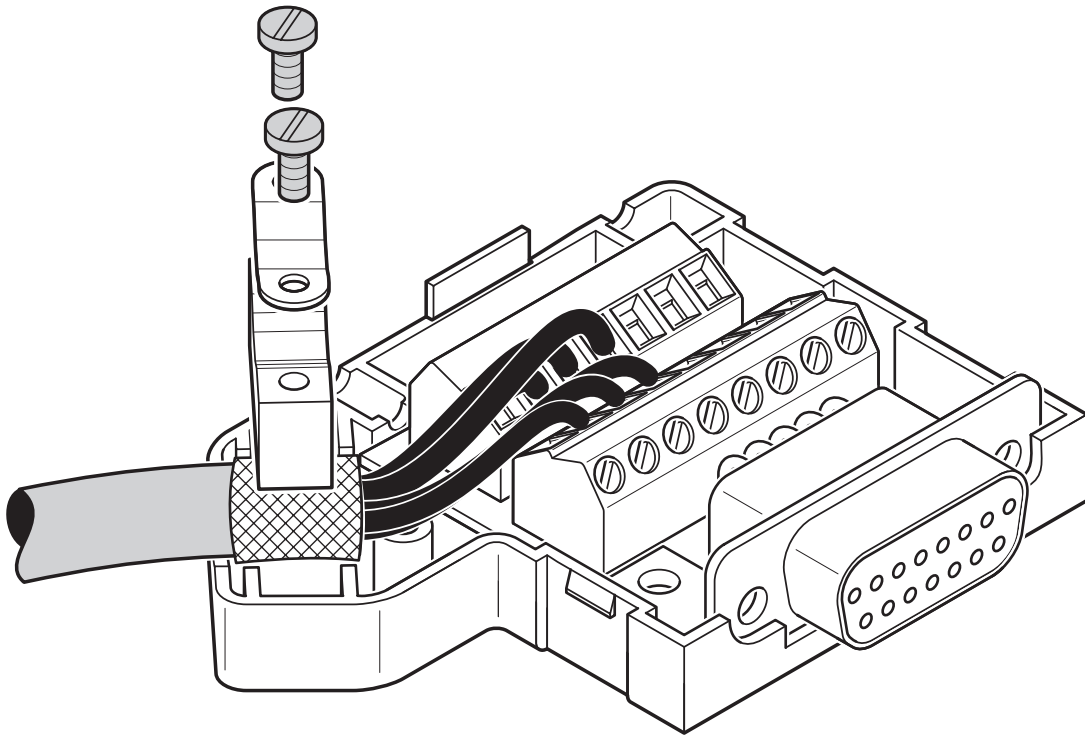
Function elements

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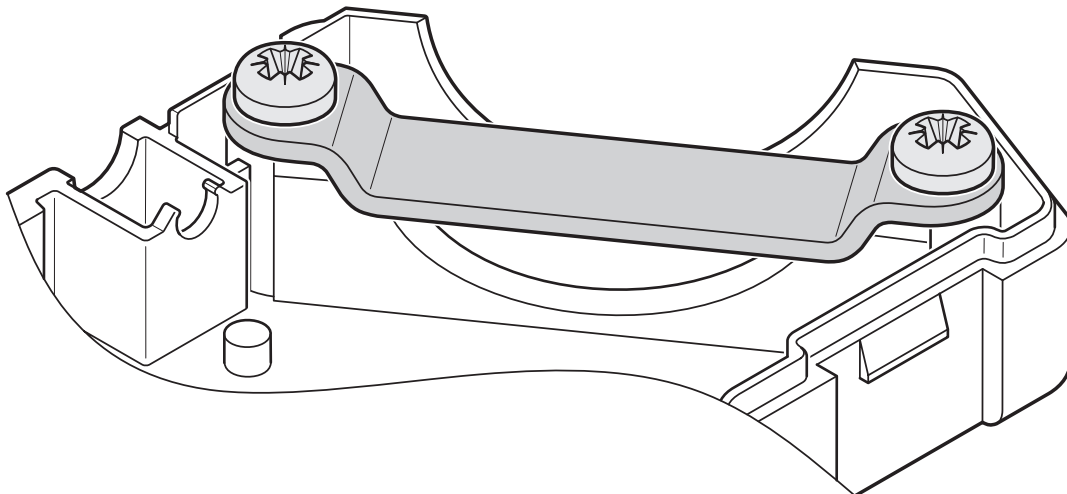
<https://www.phoenixcontact.com/us/products/2761596>

Schematic diagram



Connection of the cables

Schematic diagram



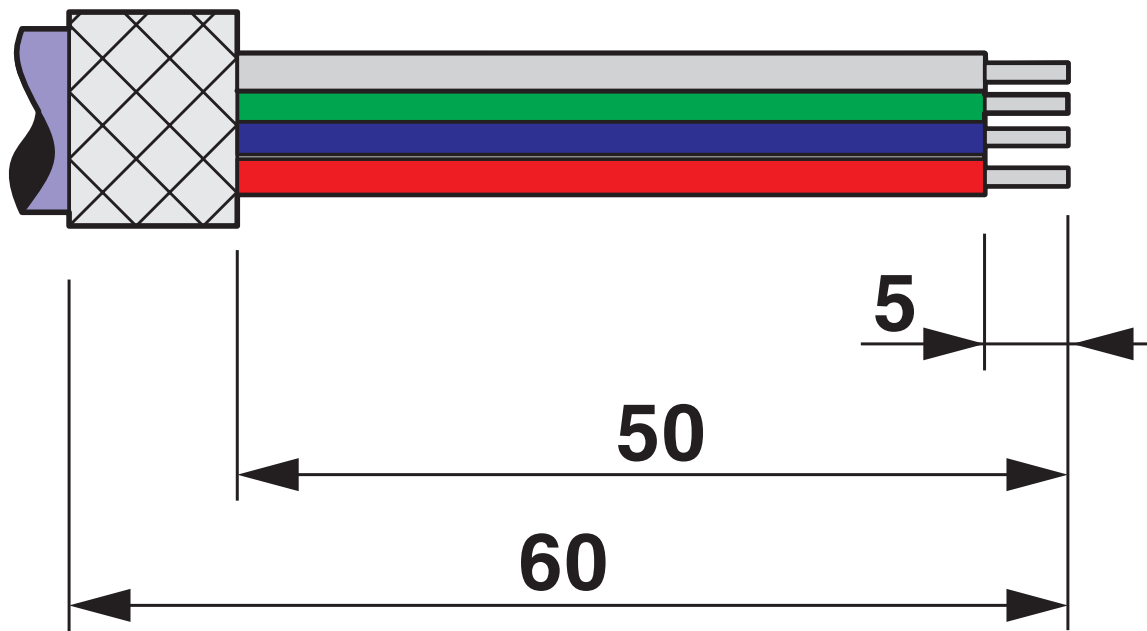
Clip bracket

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Schematic diagram



Stripping specifications

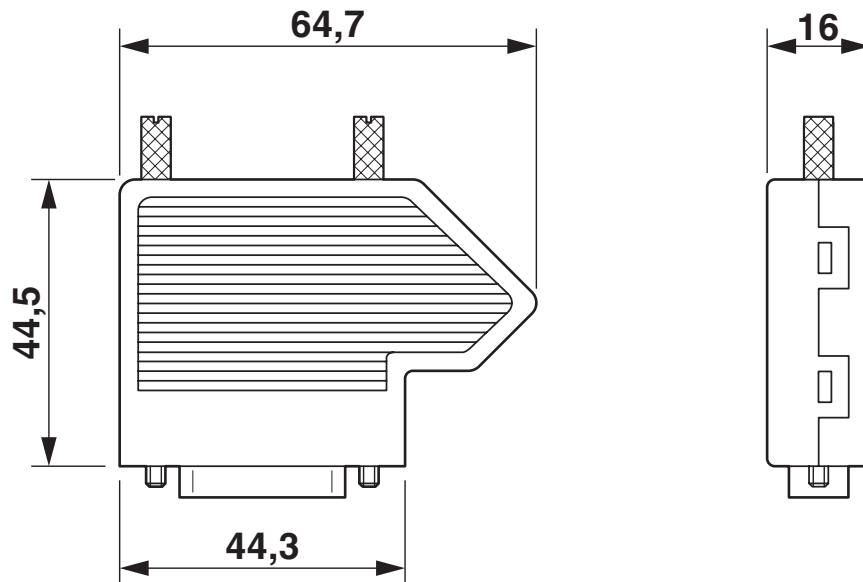
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Dimensional drawing

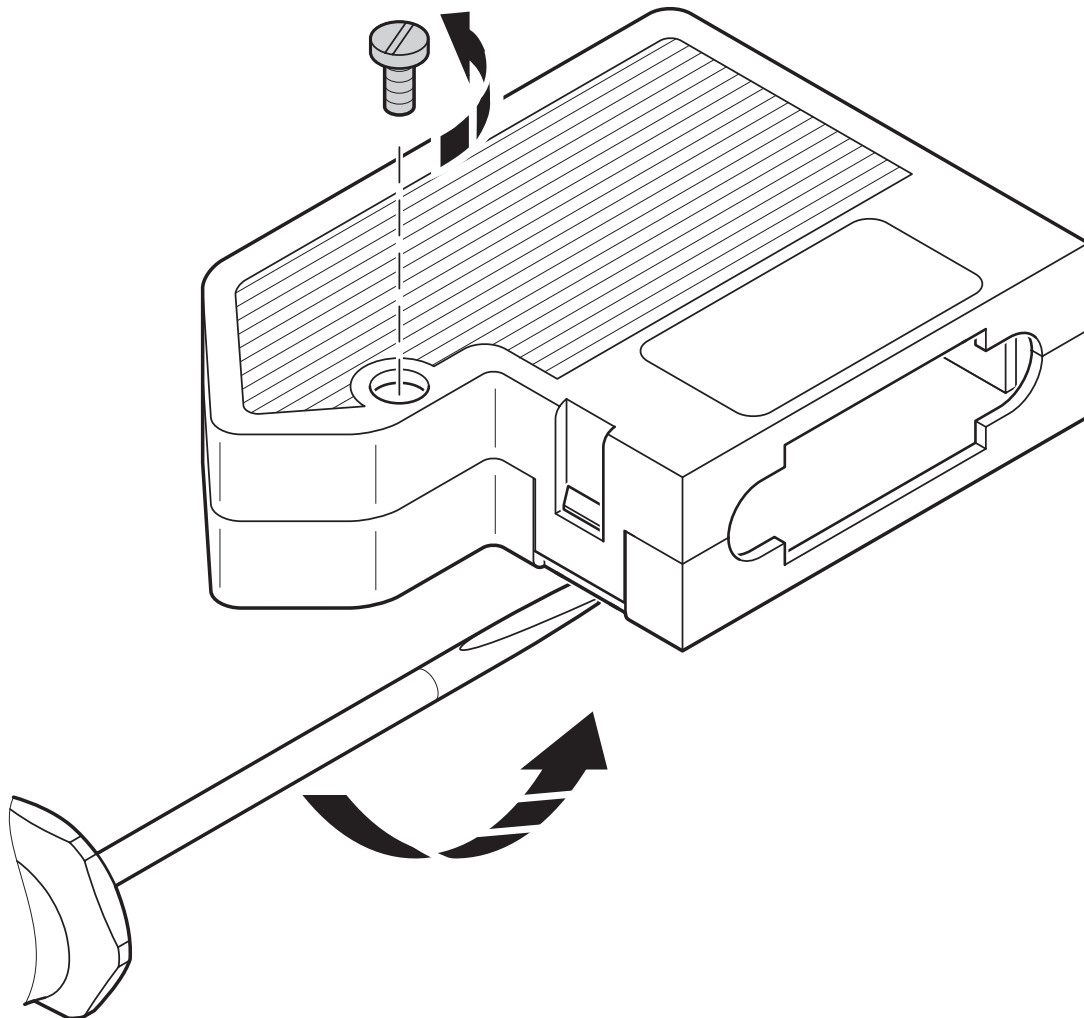


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Schematic diagram



Opening the housing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2761596>



cUL Recognized
Approval ID: E238705



UL Recognized
Approval ID: E238705



CSA
Approval ID: 2437602

cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 9.0	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
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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