

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

D-SUB connector, 25-pos. socket, one 35° cable outlet, universal type for all systems, pin assignment: 1, 2, 3, ..., 24, 25 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

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



Commercial data

Item number	2761619
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC511
GTIN	4017918107987
Weight per piece (including packing)	81.3 g
Weight per piece (excluding packing)	96.6 g

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Customs tariff number	85366990
Country of origin	DE

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Technical data

Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

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
Transmission medium	Copper

Connection data

D-SUB connection

Connection method	D-SUB socket
-------------------	--------------

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
Tightening torque	0.22 Nm ... 0.25 Nm

Interfaces

Signal	Modbus
	RS-232

SUBCON 25/F-SH - D-SUB bus connector



2761619

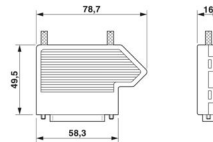
<https://www.phoenixcontact.com/us/products/2761619>

RS-422

RS-485

Dimensions

Dimensional drawing



Width

16 mm

Height

55 mm

Length

79 mm

Material specifications

Color (Housing)

white aluminium (RAL 9006)

Material (Housing)

ABS (metal-plated)

Cable/line

External cable diameter

4 mm ... 10 mm (Incoming bus line)

Mechanical properties

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

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

Ⓔ II 3 G Ex ec IIC T4 Gc

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Certificate	PxCIF15ATEX2761499X
Note	Please follow the special installation instructions in the documentation!

UKEX

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

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	VDMA 24364:2018-05
-------------------------------------------------------------------	--------------------

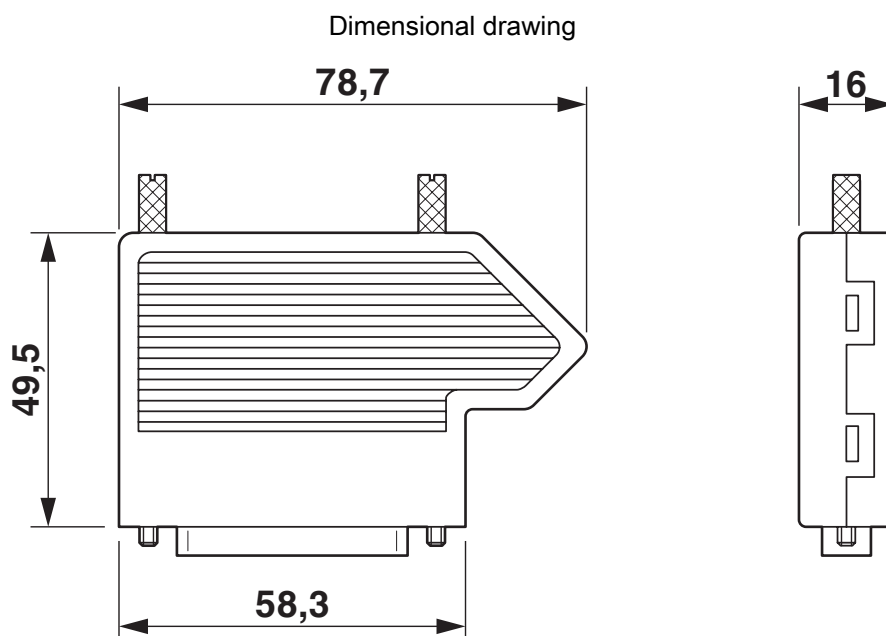
SUBCON 25/F-SH - D-SUB bus connector

2761619

<https://www.phoenixcontact.com/us/products/2761619>



Drawings



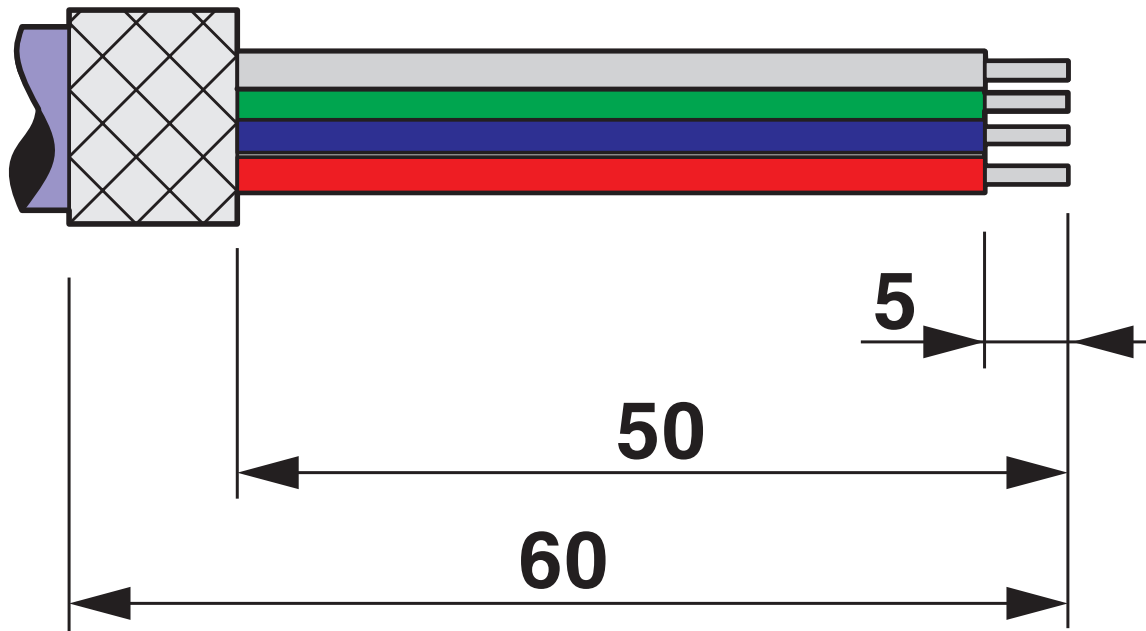
SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Schematic diagram



Stripping specifications

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2761619>



CSA

Approval ID: 2437602



cULus Recognized

Approval ID: E238705

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

Classifications

ECLASS

ECLASS-13.0	27440302
ECLASS-15.0	27440322

ETIM

ETIM 10.0	EC001132
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SUBCON 25/F-SH - D-SUB bus connector



2761619

<https://www.phoenixcontact.com/us/products/2761619>

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	0.344 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com