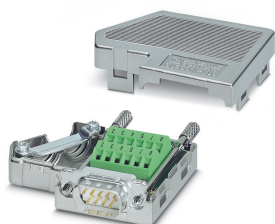


D-SUB bus connector - SUBCON-PLUS M2 - 2761839

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D-SUB connector, 9-pos., male connector, two 35° cable entries, bus system: CAN, SUCONET K1, K2 (MOELLER), S-BUS (Saia), J-BUS (Merlin Gerin), pin assignment: 2, 3, 4, 5, 7, 9 to two screw connection terminal blocks

Product Description


Two cable infeeds are often required on the D-SUB plugs used in order to build fieldbus systems with RS-485 interfaces. The SUBCON-PLUS plugs range fulfills this requirement and routes the connection to screw terminal blocks – however, duplicated – for two cables. This means clarity during wiring and it simplifies every startup. These plugs are of course also shielded against EMC influences with a metallized housing. In addition, by placing the connection block in either the upper or lower shell, it is possible to select the cable infeed on site from the right or left .

Your advantages

- ✓ Separate terminal blocks for each cable
- ✓ Assembly under field conditions
- ✓ High transmission speed
- ✓ 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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 131814
GTIN	4017918131814
Weight per Piece (excluding packing)	62.800 g
Custom tariff number	85366990
Country of origin	Germany

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Technical data

Note

Utilization restriction	Use in potentially explosive areas is not permitted in China.
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Dimensions

Max. cable diameter	10 mm
Min. cable diameter	6 mm
Width	16 mm
Height	44 mm
Length	60 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)

General

Nominal voltage U_N	50 V DC
Nominal current I_N	100 mA
Bus system	CAN, SOCUNET K1, K2 (Moeller), S-BUS (Saia), J-BUS (Merlin Gerin)
Signal	RS-485
Insertion/withdrawal cycles	> 200
SUBCON fixing screws	4-40 UNC
Tightening torque	0.4 Nm
Housing material	ABS, metal-plated
Pin assignment	2, 3, 4, 5, 7, 9 on two terminal blocks
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%)

Connection data

Connection	D-SUB connection
Number of positions	9
Connection method	D-SUB connector
Tightening torque	0.4 Nm
Connection	PCB connection
Connection method	Screw connection

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Technical data

Connection data

Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	18
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Stripping length	5 mm
Tightening torque	0.4 Nm

Conformance/approvals

Designation	EAC
Identification	EAC
Designation	ATEX
Identification	# II 3 G Ex nA IIC T4 Gc X
Additional text	Please follow the special installation instructions in the documentation!
Designation	Corrosive gas test
Identification	ISA-S71.04-1985 G3 Harsh Group A

Standards and Regulations

Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 10...150 Hz, 2.5 h, in XYZ direction
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	15g, 11 ms period, half-sine shock pulse
Free from substances that could impair the application of coating	according to P-VW 3.10.7 57 65 0 VW-AUDI-Seat central standard
Connection in acc. with standard	CUL

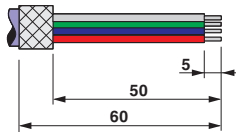
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

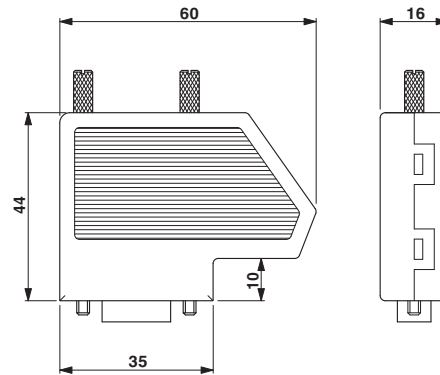
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Schematic diagram



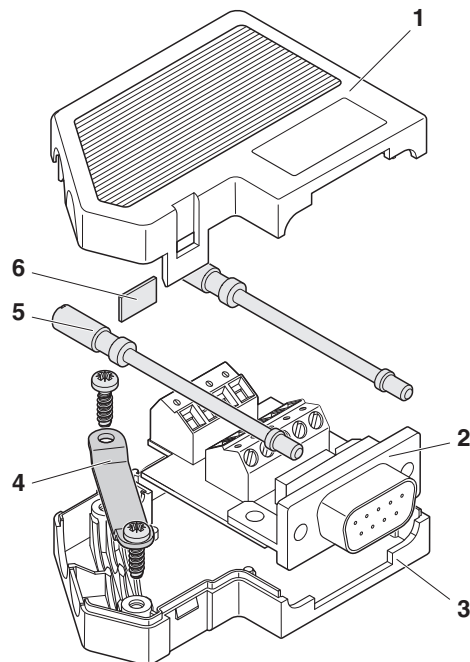
Stripping specifications

Dimensional drawing



Dimensional drawing SUBCON-PLUS...

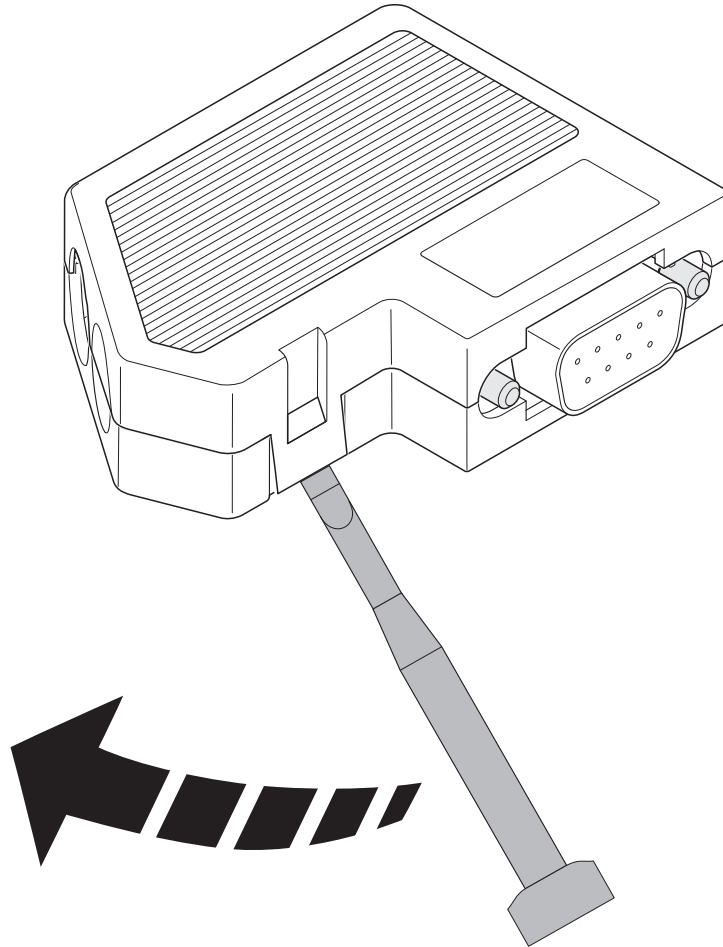
Schematic diagram



Function elements

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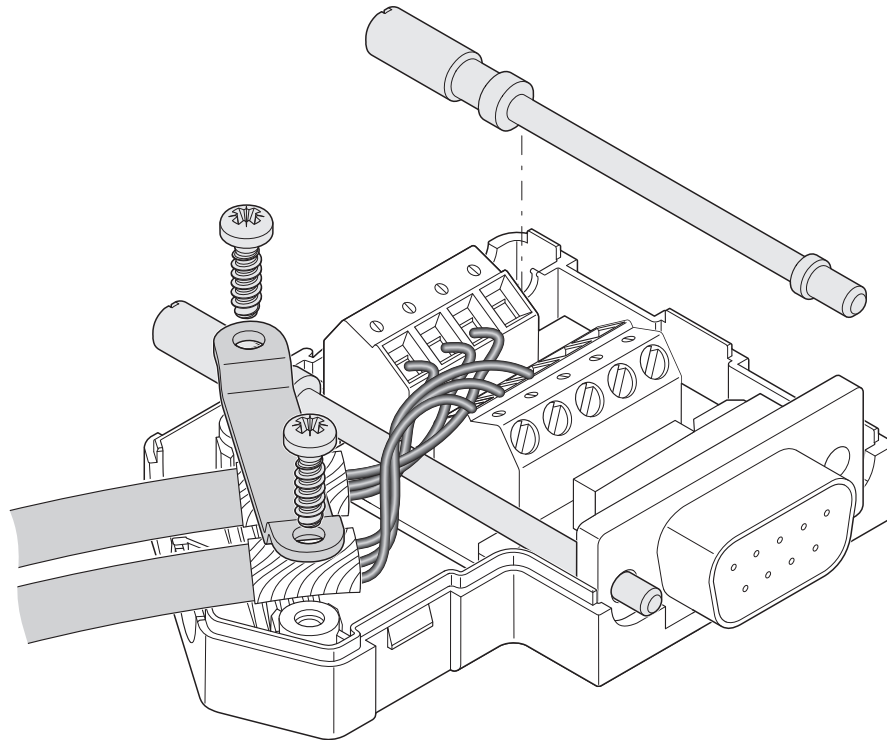
Schematic diagram



Opening the housing

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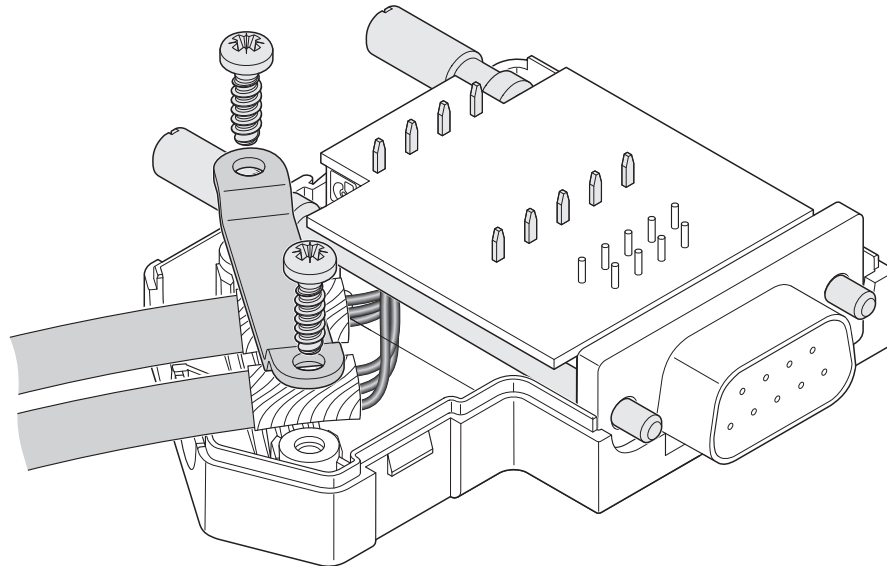
Schematic diagram



Left-hand side cable entry

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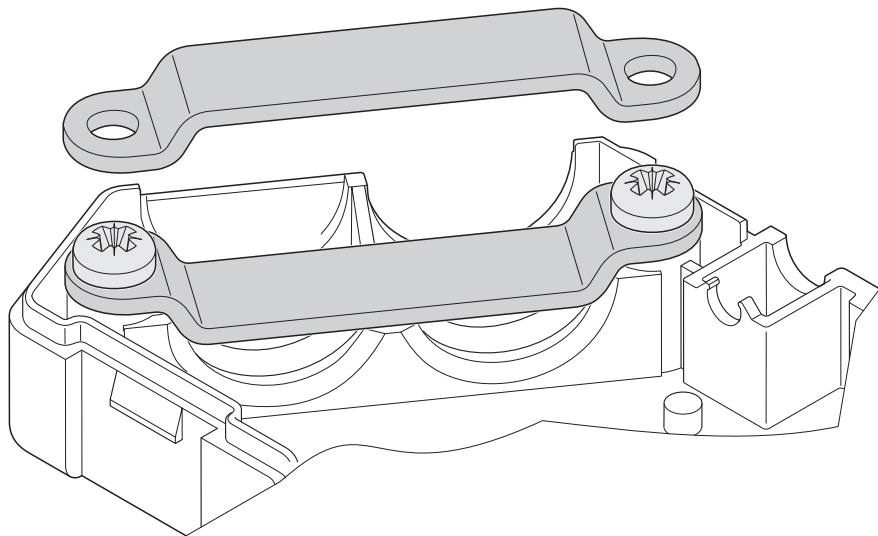
Schematic diagram



Right-hand side cable entry

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Schematic diagram



Clip bracket

Classifications

eCl@ss

eCl@ss 10.0.1	27440302
eCl@ss 11.0	27440302
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440302
eCl@ss 9.0	27440302

ETIM

ETIM 2.0	EC001132
ETIM 3.0	EC001132
ETIM 4.0	EC001132

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Classifications

ETIM

ETIM 6.0	EC001132
ETIM 7.0	EC001132

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals

ATEX

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC		EAC-Zulassung
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Approvals

cULus Recognized



Accessories

Accessories

Data plug

D-SUB gender changer - VS-09-GC-BU/BU - 1688722



D-SUB contact insert, shell size 1, with nine signal contacts, type of contact socket, gender changer, fixing with 4-40 UNC thread

Mounting material

Screw - SUBCON-SHORT-SCREW - 2799694



Optional mounting screw, without knurl for narrow installation conditions, slotted head, length: 40 mm, UNC 4-40 thread
Supplied as standard: 1 bag of 20 screws

Screw - SUBCON-RAENDEL-SCREW-3MM - 2310387



Optional mounting screw, with knurl for mounting by hand or using a screwdriver, bladed, length: 56 mm, metric M3 thread

Screwdriver tools

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Accessories

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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