SUBCON-PLUS F4 - D-SUB bus connector

2744089

https://www.phoenixcontact.com/us/products/2744089

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D-SUB connector, 9-pos. female connector, two 35° cable entries, bus system: CAN, KEBA up to 1 Mbps, pin assignment: 2, 3, 4, 5, 6, 7; screw connection terminal blocks

Your advantages

- Assembly under field conditions
- Separate terminal blocks for each cable
- High transmission speed
- 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	2744089
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC521
GTIN	4017918157388
Weight per piece (including packing)	74.7 g
Weight per piece (excluding packing)	62 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

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	2, 3, 4, 5, 6 and 7 for two terminal blocks each

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

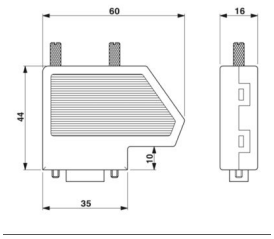
PCB connection

Connection method	Screw connection
Stripping length	5 mm
Conductor cross section, rigid min.	0.14 mm²
Conductor cross section, rigid max.	1.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1 mm²
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

Bus system	CAN, KEBA
Signal	RS-485

Dimensions

Dimensional drawing	
Width	16 mm
Height	44 mm
Length	60 mm

Material specifications

Material Housing	ABS, metal-plated

Cable/line

External cable diameter ()	6 mm ... 10 mm (Incoming bus line)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 200

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

EAC

Identification	EAC

ATEX

Identification	Ⓔx II 3 G Ex nA IIC T4 Gc X
Note	Please follow the special installation instructions in the documentation!

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	in accordance with VW-AUDI-Seat central standard P-VW 3.10.7 57 65 0

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001132

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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