

# SUBCON-PLUS-MODBUS/IL/BK - D-SUB bus connector



2310808

<https://www.phoenixcontact.com/us/products/2310808>

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, 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
Catalog page	Page 108 (C-6-2019)
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

# SUBCON-PLUS-MODBUS/IL/BK - D-SUB bus connector



2310808

<https://www.phoenixcontact.com/us/products/2310808>

## Technical data

### 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

### Connection data

#### D-SUB connection

Connection method	D-SUB connector
-------------------	-----------------

#### PCB connection

Connection method	Screw connection
Stripping length	5 mm
Conductor cross section, rigid min.	0.14 mm <sup>2</sup>
Conductor cross section, rigid max.	0.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	0.5 mm <sup>2</sup>
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

Dimensional drawing	
Width	16 mm
Height	49.5 mm

# SUBCON-PLUS-MODBUS/IL/BK - D-SUB bus connector



2310808

<https://www.phoenixcontact.com/us/products/2310808>

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

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
----------------	-----

### 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
---	--

# SUBCON-PLUS-MODBUS/IL/BK - D-SUB bus connector



2310808

<https://www.phoenixcontact.com/us/products/2310808>

## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC001132
----------	----------

### UNSPSC

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

# SUBCON-PLUS-MODBUS/IL/BK - D-SUB bus connector



2310808

<https://www.phoenixcontact.com/us/products/2310808>

## Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
------------	--

Phoenix Contact 2024 © - 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](mailto:info@phoenixcon.com)