

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



5604603

<https://www.phoenixcontact.com/us/products/5604603>

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

## Commercial data

Item number	5604603
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC511
GTIN	4046356685221
Weight per piece (including packing)	76.4 g
Weight per piece (excluding packing)	72.9 g
Customs tariff number	85366990
Country of origin	US

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## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Data plug
Pin assignment	All connections are 1:1 on the screw terminal block

### Electrical properties

Nominal voltage $U_N$	48 V AC/DC
Nominal current $I_N$	1 A

### Connection data

#### D-SUB connection

Connection method	High-density D-SUB socket strip
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#### 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.	1.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.14 mm <sup>2</sup>
Conductor cross-section flexible max.	1 mm <sup>2</sup>
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	Point-to-point
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### Dimensions

Width	16 mm
Height	49.8 mm
Length	61 mm

#### External dimensions

External diameter min.	4 mm
External diameter max.	12.7 mm

### Material specifications

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Color (Housing)	white aluminium (RAL 9006)
Housing material	ABS, metal-plated

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 50
Fixing screws	4-40 UNC
Tightening torque	0.4 Nm

## 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 manufacturer's declaration)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

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## Classifications

### ECLASS

ECLASS-13.0	27440302
ECLASS-15.0	27440322

### ETIM

ETIM 10.0	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
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	76a2b7fe-8a81-476e-b6f8-bc3e73c92363

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