# SUBCON 15HD/M - D-SUB connector

2708546

https://www.phoenixcontact.com/us/products/2708546

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D-SUB connector, 15-pos. HD (high density), pin, one 35° cable outlet, universal type for all systems, pin assignment: 1, 2, 3, 6, 7, 8, 10, 13, 14 to screw connection terminal block

## Your advantages

- Change to the D-SUB orientation through a reversible connection block

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 2708546 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN10 |
| Product key | DNC512 |
| GTIN | 4017918942144 |
| Weight per piece (including packing) | 42.11 g |
| Weight per piece (excluding packing) | 27.47 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

Note on application

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

### 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%) |

### Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 24 V AC/DC |

### Connection data

D-SUB connection

| | |
|---|---|
| Connection method | High density D-SUB pin strip |

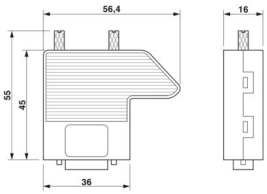
PCB connection

| | |
|---|---|
| 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 |
| Tightening torque | 0.22 Nm ... 0.25 Nm |

### Interfaces

| | |
|---|---|
| Signal | VGA |

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 16 mm |
| Height | 55 mm |
| Length | 56.5 mm |

## Material specifications

| | |
|---|---|
| Color (Housing) | white aluminium (RAL 9006) |
| Material (Housing) | ABS (metal-plated) |

## Cable/line

| | |
|---|---|
| External cable diameter | 4 mm ... 10 mm |

## 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

Corrosive gas test

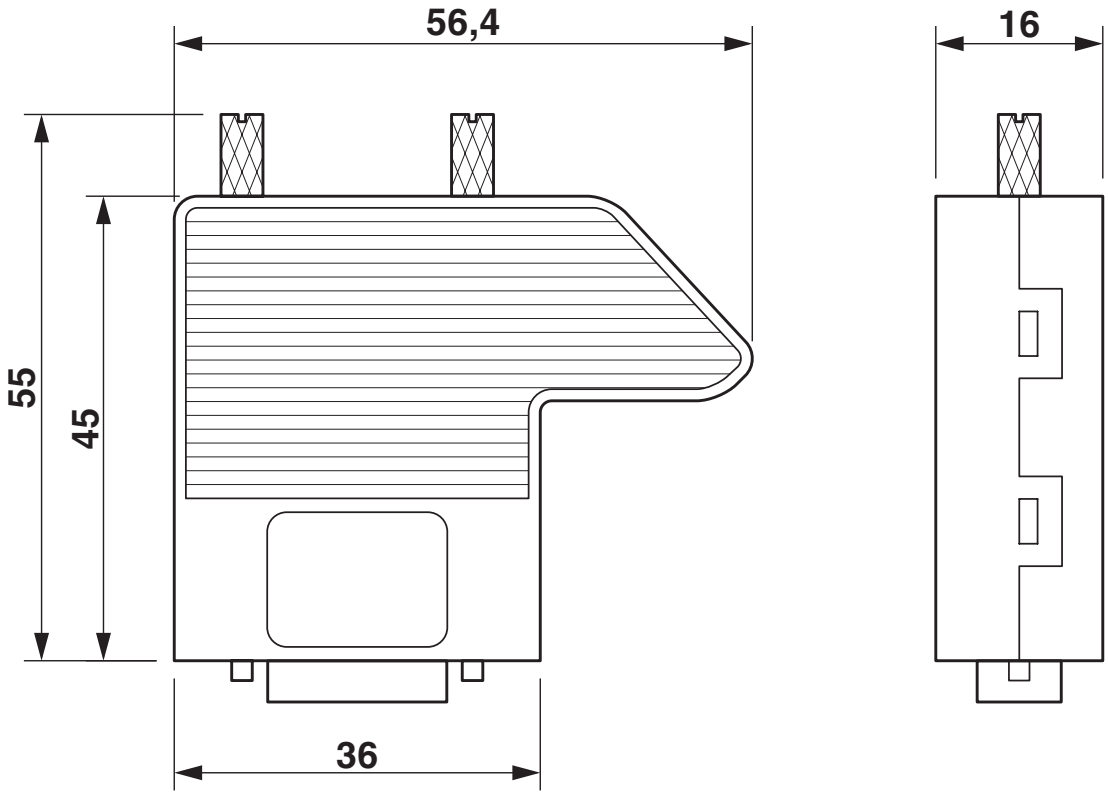
| | |
|---|---|
| Identification | ISA-S71.04-1985 G3 Harsh Group A |

## Standards and regulations

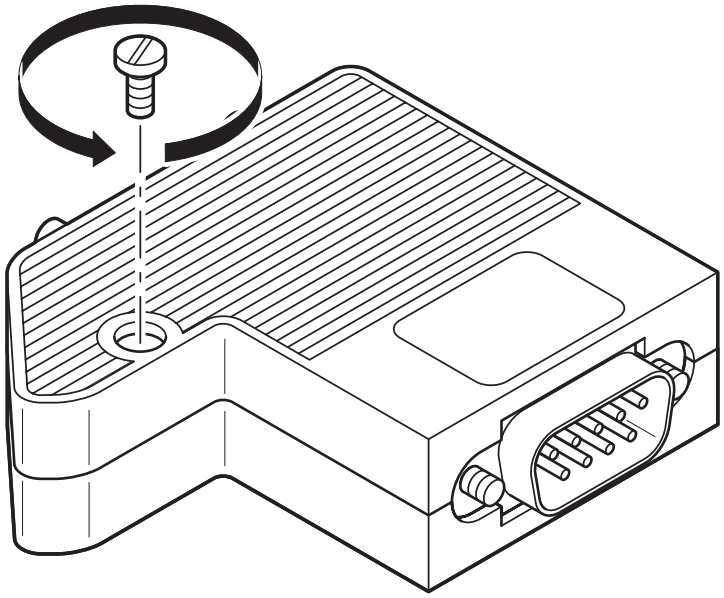
| | |
|---|---|
| Free from substances that could impair the application of coating | VDMA 24364:2018-05 |

## Drawings

Dimensional drawing

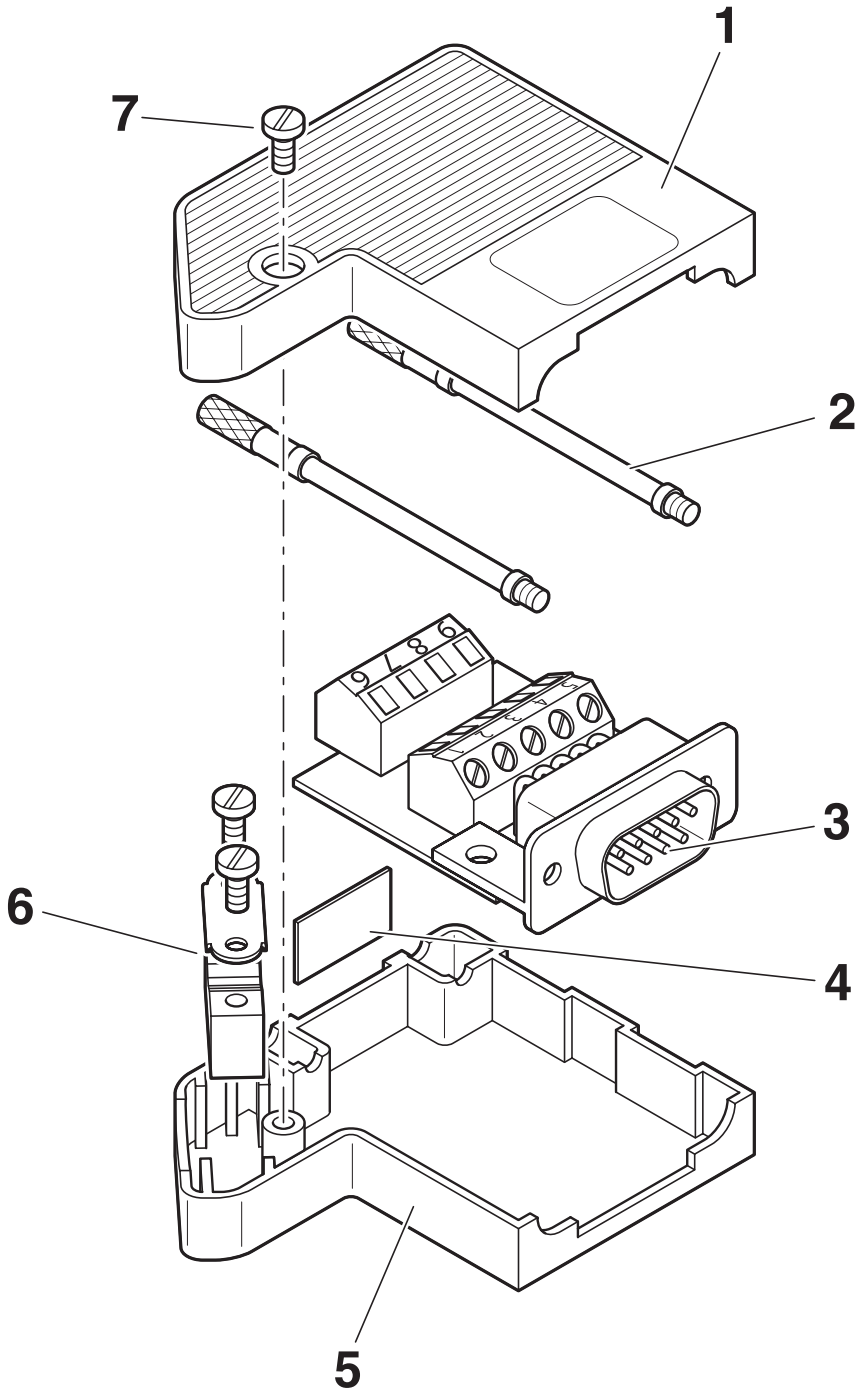


Schematic diagram



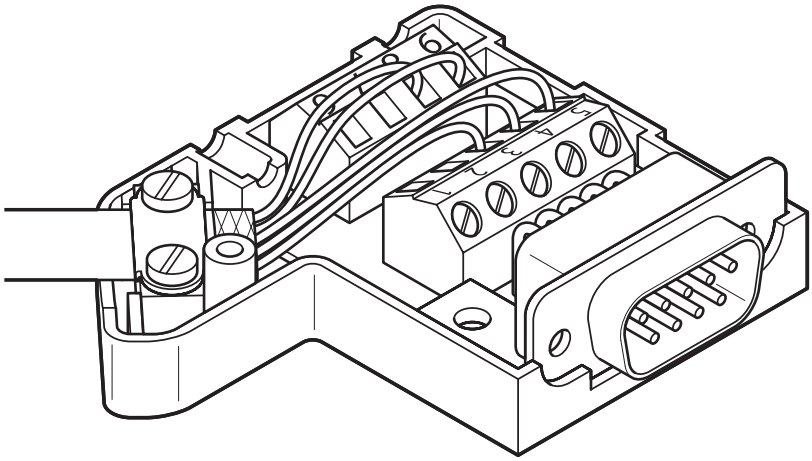
Opening the housing

Schematic diagram



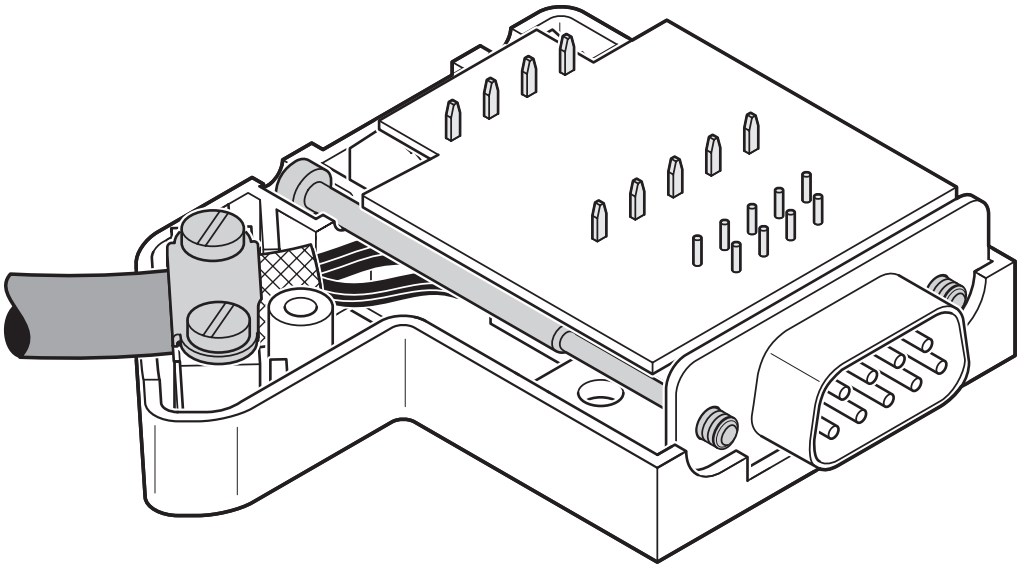

Function elements

Schematic diagram



Left-hand side cable entry

Schematic diagram



Right-hand side cable entry

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440302 |
| ECLASS-15.0 | 27440322 |

### ETIM

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

### UNSPSC

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

## 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% |


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