

# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

<https://www.phoenixcontact.com/us/products/2744403>

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., pin, 35° cable outlet, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; spring-cage connection terminal blocks



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2744403       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN10          |
| Product key                          | DNC531        |
| GTIN                                 | 4017918819453 |
| Weight per piece (including packing) | 46.1 g        |
| Weight per piece (excluding packing) | 43.2 g        |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

<https://www.phoenixcontact.com/us/products/2744403>

## Technical data

### Notes

#### Note on application

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

#### 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 | 3, 5, 6, 8                                                               |

### Electrical properties

|                                                 |         |
|-------------------------------------------------|---------|
| Maximum power dissipation for nominal condition | 0.025 W |
| Nominal voltage $U_N$                           | 5 V     |
| Nominal current $I_N$                           | 100 mA  |
| Transmission medium                             | Copper  |

### Connection data

#### D-SUB connection

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

#### PCB connection

|                                            |                        |
|--------------------------------------------|------------------------|
| Connection method                          | Spring-cage connection |
| Stripping length                           | 9 mm                   |
| Conductor cross-section, rigid min.        | 0.12 mm <sup>2</sup>   |
| Conductor cross-section, rigid max.        | 0.5 mm <sup>2</sup>    |
| Single-wire/terminal point, rigid AWG min. | 26                     |
| Single-wire/terminal point, rigid AWG max. | 20                     |

#### Programming connection

|                   |              |
|-------------------|--------------|
| Connection method | D-SUB socket |
|-------------------|--------------|

### Interfaces

|            |             |
|------------|-------------|
| Bus system | PROFIBUS DP |
| Signal     | PROFIBUS    |

### Dimensions

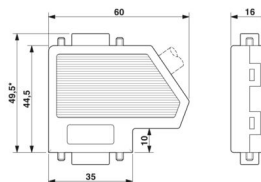
# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

<https://www.phoenixcontact.com/us/products/2744403>

## Dimensional drawing



|        |         |
|--------|---------|
| Width  | 16 mm   |
| Height | 49.5 mm |
| Length | 60 mm   |

## Material specifications

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

## Cable/line

|                         |                                       |
|-------------------------|---------------------------------------|
| External cable diameter | 7.6 mm ... 8.4 mm (Incoming bus line) |
|-------------------------|---------------------------------------|

## 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                     | 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

### ATEX

|                |                                                                           |
|----------------|---------------------------------------------------------------------------|
| Identification | ⊕ II 3 G Ex ec IIC T4 Gc                                                  |
| Certificate    | PxCIF15ATEX2744348X                                                       |
| Note           | Please follow the special installation instructions in the documentation! |

|                |                        |
|----------------|------------------------|
| UKEX           |                        |
| Identification | II 3 G Ex ec IIC T4 Gc |
| Certificate    | PxCIMA22UKEX2744348X   |

|                    |                                  |
|--------------------|----------------------------------|
| 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 |
|-------------------------------------------------------------------|--------------------|

# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector

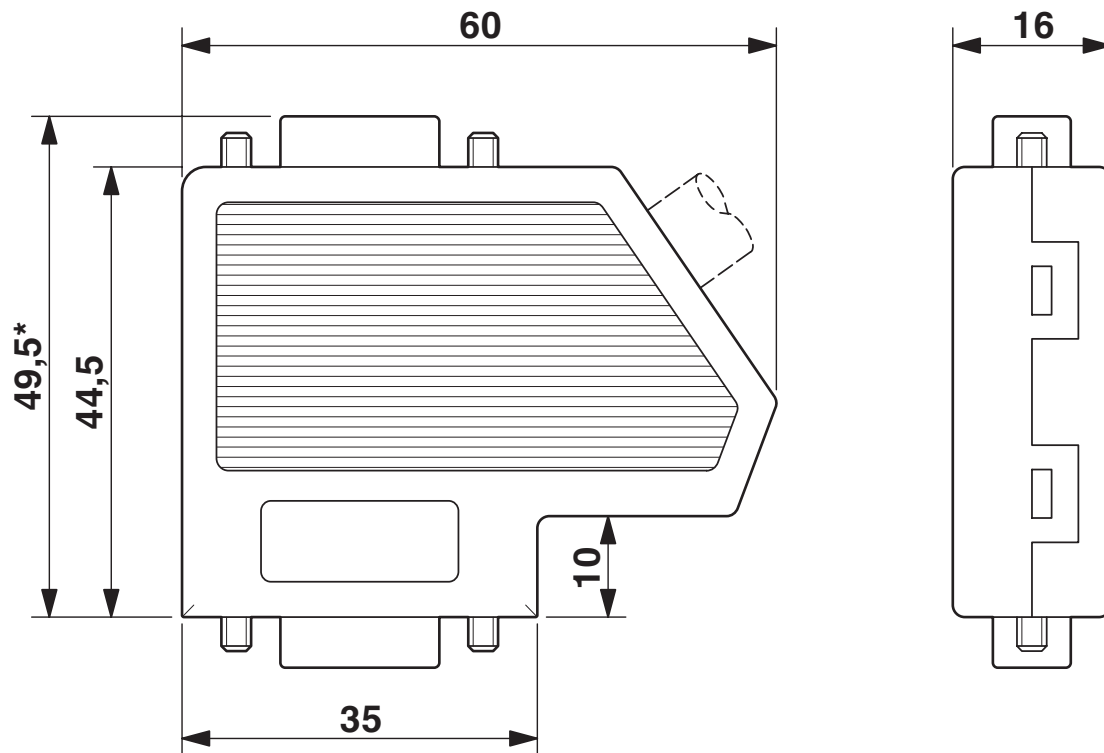
2744403

<https://www.phoenixcontact.com/us/products/2744403>



## Drawings

Dimensional drawing

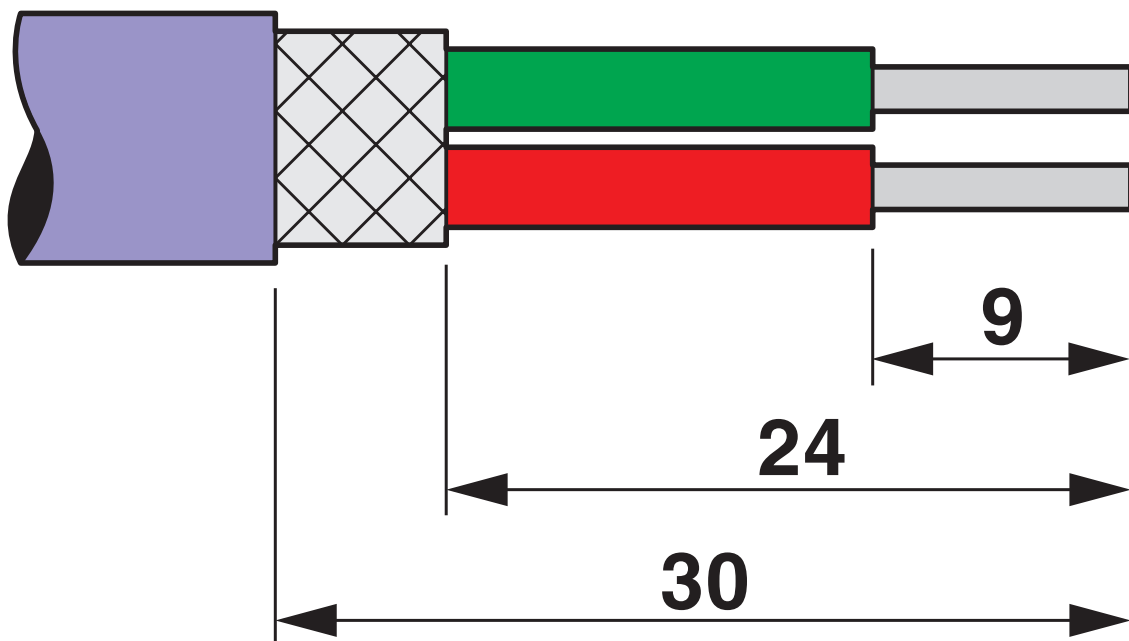


Dimensional drawing

2744403

<https://www.phoenixcontact.com/us/products/2744403>

Schematic diagram



Stripping specifications

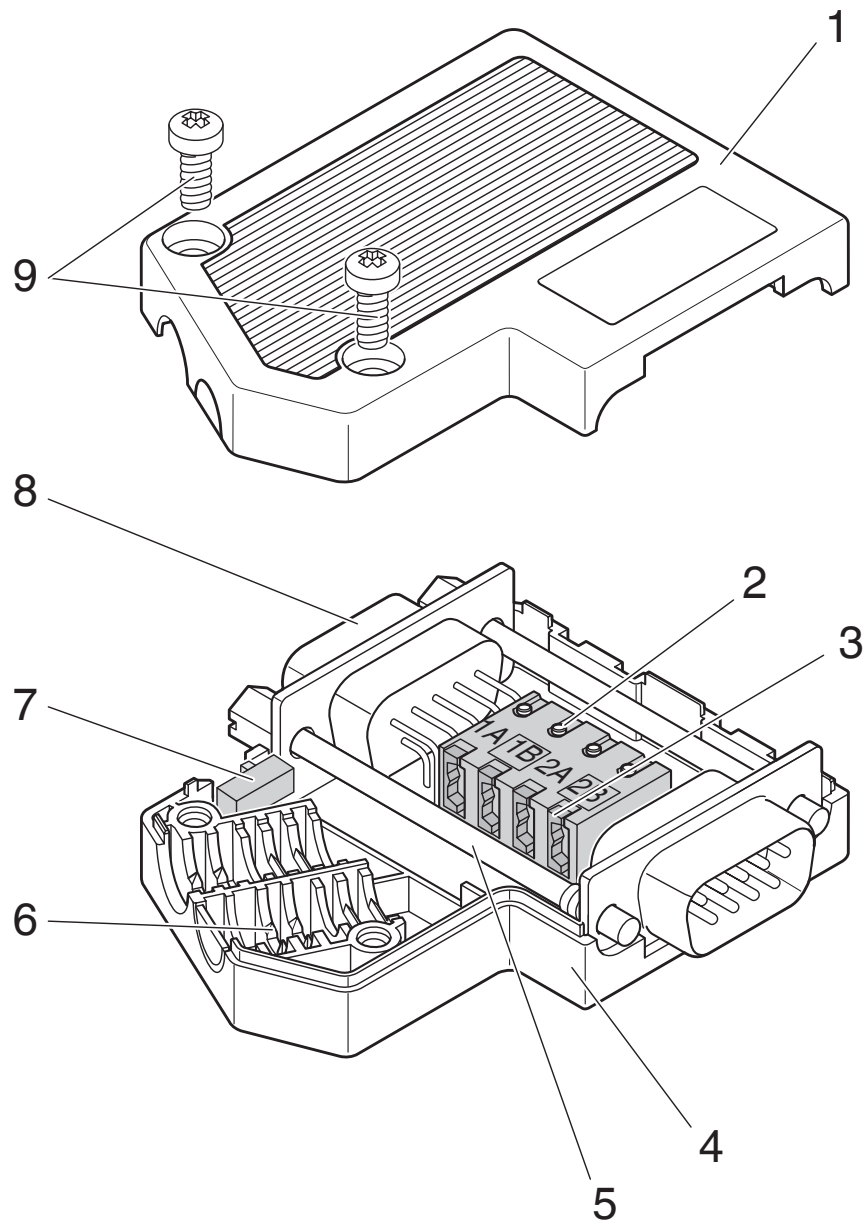
# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector

2744403

<https://www.phoenixcontact.com/us/products/2744403>



Schematic diagram



Function elements

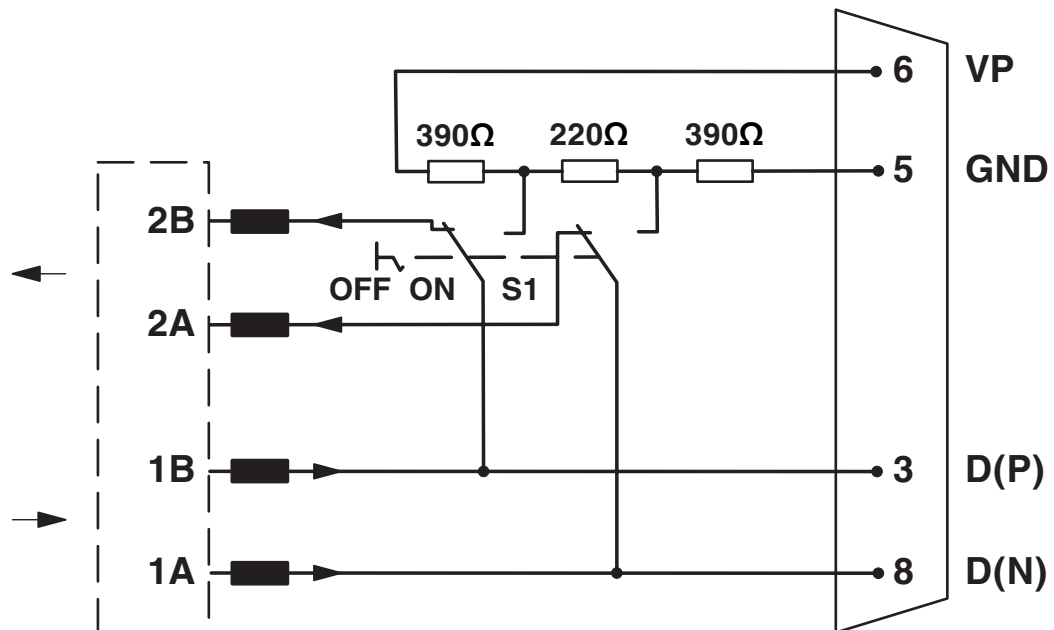
# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector

2744403

<https://www.phoenixcontact.com/us/products/2744403>



Circuit diagram



Functional diagram of the connector range  
SUBCON-PLUS-PROFIB/...

# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

<https://www.phoenixcontact.com/us/products/2744403>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2744403>



**cULus Recognized**  
Approval ID: E238705

# SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

<https://www.phoenixcontact.com/us/products/2744403>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

2744403

<https://www.phoenixcontact.com/us/products/2744403>

## 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                                | b1e097ff-71fd-4eb9-b0ae-6379ed498b85 |

Phoenix Contact 2026 © - 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)