

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 ² |
| Conductor cross-section, rigid max. | 0.5 mm ² |
| 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 |

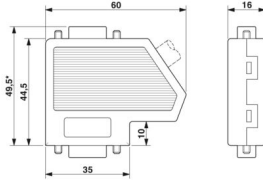
Dimensions

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

| | |
|--------------------|--------------------|
| 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 | Vibration (operation): 5g, 10...150 Hz, 2.5 h, in XYZ direction |
| Shock in accordance with EN 60068-2-27/IEC 60068-2-27 | Shock (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! |

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



2744403

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

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

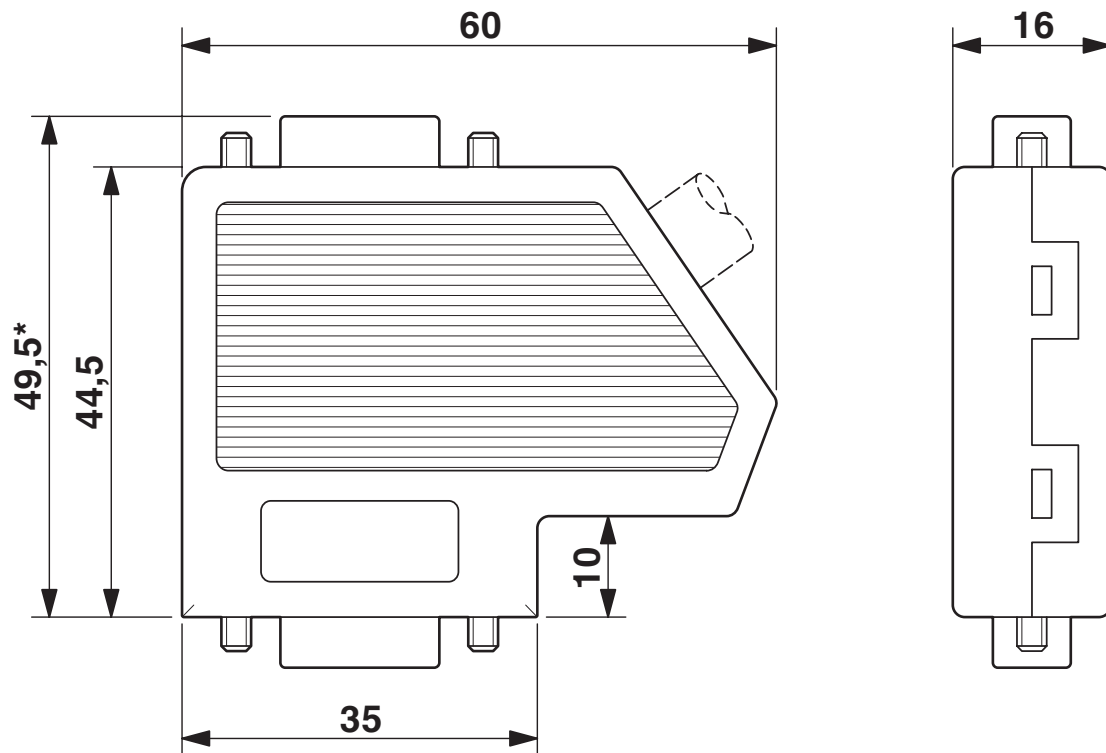


2744403

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

Drawings

Dimensional drawing



Dimensional drawing

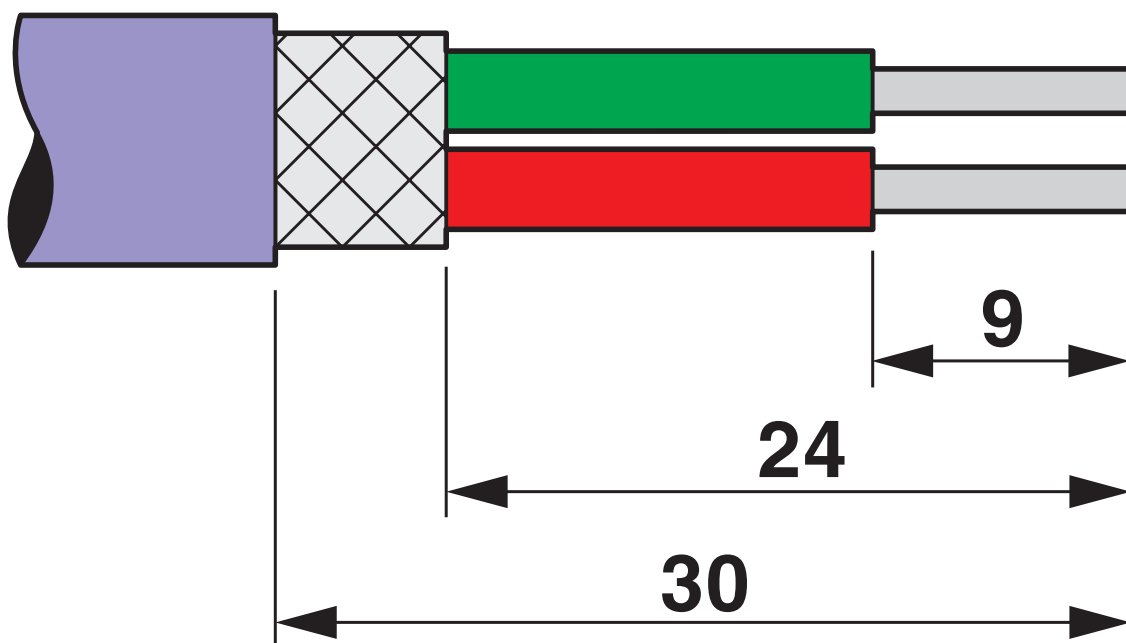
SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

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

Schematic diagram



Stripping specifications

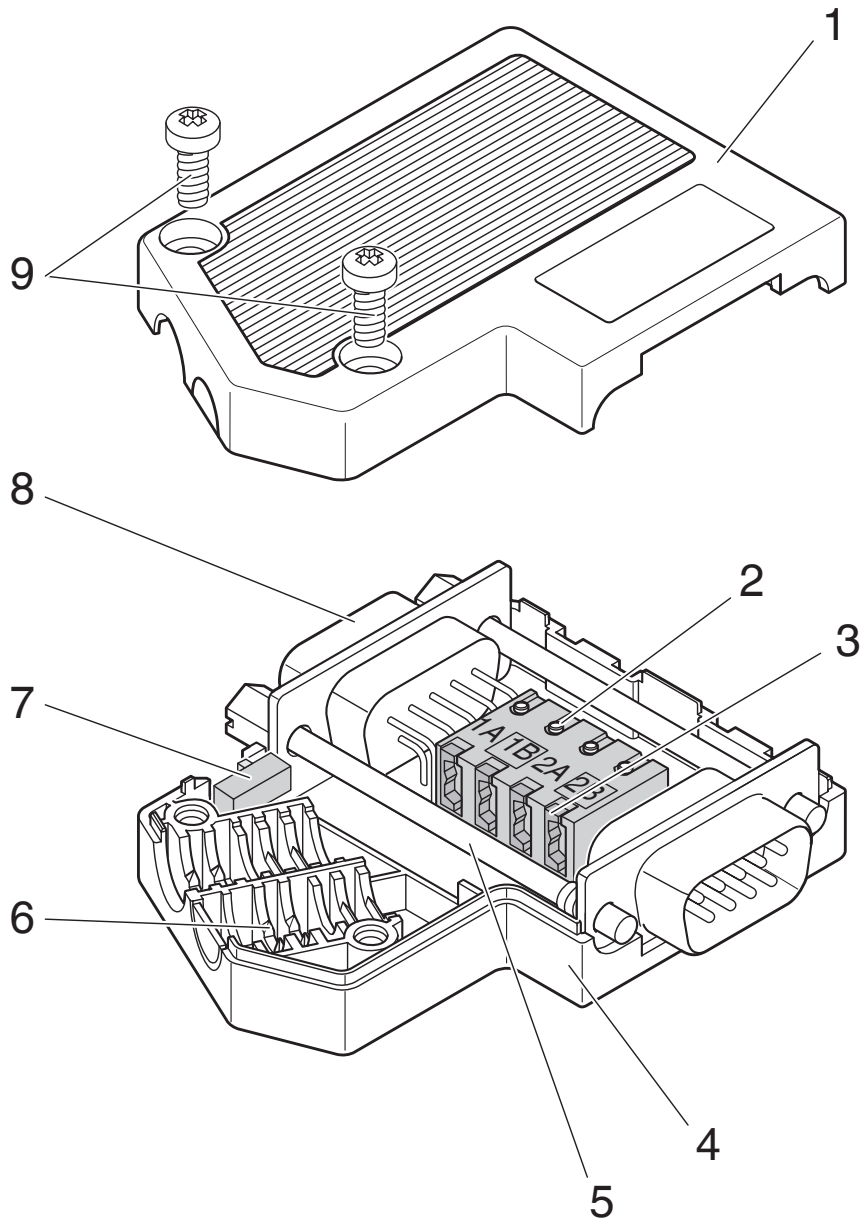
SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



2744403

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

Schematic diagram



Function elements

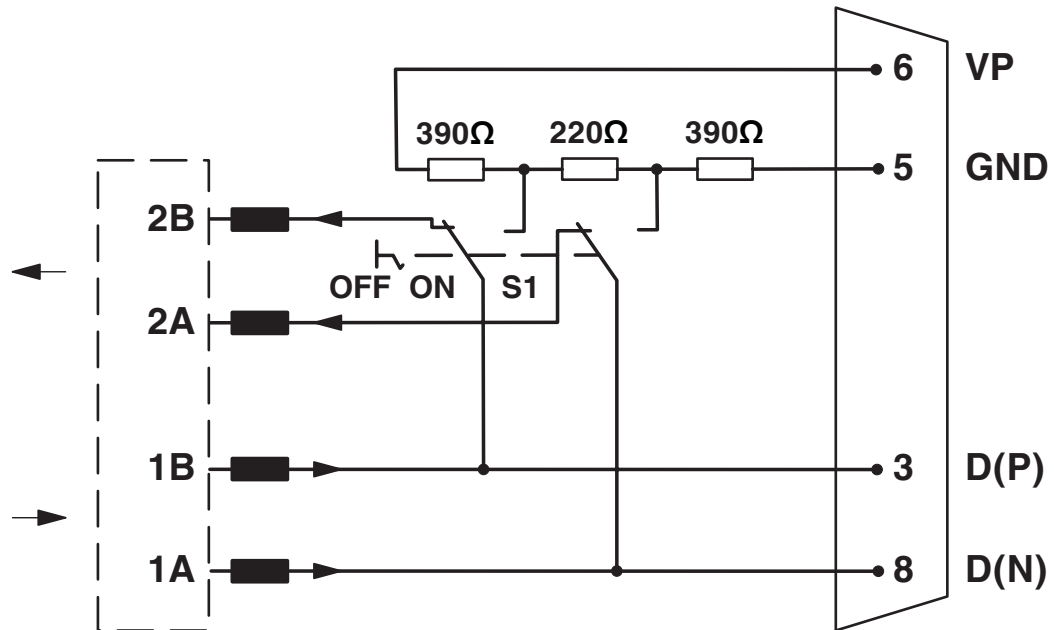
SUBCON-PLUS-PROFIB/PG - D-SUB bus connector



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>



cUL Recognized
Approval ID: E238705



UL 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 |
|-------------|----------|

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



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