



# THE DATASHEET OF 2761871

## D-SUB bus connector - SUBCON-PLUS-F2 - 2799490

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



D-SUB connector, 9-pos. female connector, two cable entries < 35°, bus system: CAN, SUCONET K1, K2 (MOELLER), S-BUS (Saia), J-BUS (Merlin Gerin), pin assignment: 2, 3, 4, 5, 7, 9 to two screw connection terminal blocks

The illustration shows version  
SUBCON-PLUS M 2

### Why buy this product

- ✓ Separate terminal blocks for each cable
- ✓ Easy assembly thanks to knurled screws
- ✓ For universal use
- ✓ Assembly under field conditions
- ✓ High level of EMC
- ✓ Flexibility in terms of cable entry selection
- ✓ High transmission speed



**RS-485**



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 1                                                                                                       |
| Catalog page           | Page 574 (IF-2011)                                                                                      |
| GTIN                   | <br>4 017918 156305 |
| Custom tariff number   | 85366990                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### General data

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Nominal voltage $U_N$       | 50 V                                                              |
| Nominal current $I_N$       | 100 mA                                                            |
| Bus system                  | CAN, SUCONET K1, K2 (Moeller), S-BUS (Saia), J-BUS (Merlin Gerin) |
| Insertion/withdrawal cycles | > 200                                                             |
| Max. cable diameter         | 10 mm                                                             |
| Min. cable diameter         | 6 mm                                                              |
| SUBCON fixing screws        | 4-40 UNC                                                          |

# D-SUB bus connector - SUBCON-PLUS-F2 - 2799490

## Technical data

### General data

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Tightening torque               | 0.4 Nm                                                   |
| Ambient temperature (operation) | -20 °C ... 75 °C                                         |
| Altitude                        | 5000 m (For restrictions see manufacturer's declaration) |
| Housing material                | ABS, metal-plated                                        |
| Pin assignment                  | 2,3,4,5,7,9 on two terminal blocks                       |
| Width                           | 16 mm                                                    |
| Height                          | 44 mm                                                    |
| Length                          | 60 mm                                                    |

### Connection data

|                                            |                      |
|--------------------------------------------|----------------------|
| Connection                                 | D-SUB connection     |
| Number of positions                        | 9                    |
| Connection method                          | D-SUB socket         |
| Tightening torque                          | 0.4 Nm               |
| Connection                                 | PCB connection       |
| Connection method                          | Screw connection     |
| Conductor cross section stranded min.      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.      | 1 mm <sup>2</sup>    |
| Conductor cross section solid min.         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.         | 1.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, stranded | 26                   |
| Max. AWG conductor cross section, stranded | 18                   |
| Conductor cross section AWG/kcmil min.     | 26                   |
| Conductor cross section AWG/kcmil max      | 16                   |
| Stripping length                           | 5 mm                 |
| Tightening torque                          | 0.4 Nm               |

## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001132 |
| ETIM 3.0 | EC001132 |
| ETIM 4.0 | EC001132 |
| ETIM 5.0 | EC001132 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 11     | 39121402 |
| UNSPSC 12.01  | 39121402 |
| UNSPSC 13.2   | 39121402 |
| UNSPSC 6.01   | 30211802 |
| UNSPSC 7.0901 | 39121402 |

# D-SUB bus connector - SUBCON-PLUS-F2 - 2799490

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27140816 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

UL Recognized 

cUL Recognized 

GOST 

cULus Recognized 

## Accessories

Accessories

Assembly

## D-SUB bus connector - SUBCON-PLUS-F2 - 2799490

### Accessories

Screw - SUBCON-SHORT-SCREW - 2799694



Optional mounting screw, without knurl for narrow installation conditions, slotted head, length: 40 mm, UNC 4-40 thread

---

### Tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

D-SUB gender changer - VS-09-GC-ST/ST - 1652651

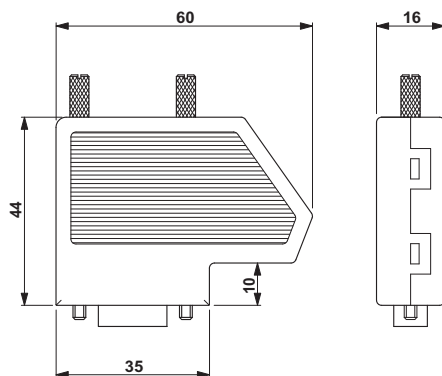


D-SUB contact insert, shell size 1, with nine signal contacts, contact type pin, gender changer, fixing with 4-40 UNC thread

---

### Drawings

Dimensioned drawing



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 2761871](#) on WIN SOURCE

 [Phoenix Contact](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management