

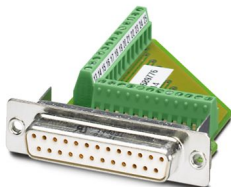
# VS-25-BU-DSUB/25-MPT-0,5 - D-SUB contact insert



1689776

<https://www.phoenixcontact.com/gb/products/1689776>

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D-SUB contact insert, shell size 3, with 25 signal contacts, female type of contact, screw connection, straight, for panel mounting frame and sleeve housing with IP67 protection

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1689776       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | ABNCAB        |
| Product key                          | ABNCAB        |
| GTIN                                 | 4017918914073 |
| Weight per piece (including packing) | 27 g          |
| Weight per piece (excluding packing) | 27 g          |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                     |                |
|---------------------|----------------|
| Product type        | Contact insert |
| Type                | D-SUB          |
| Number of positions | 25             |
| Connection profile  | D-SUB          |
| Number of slots     | 1              |
| Shielded            | yes            |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 2  |

### Electrical properties

|                                     |                             |
|-------------------------------------|-----------------------------|
| Rated voltage (III/3)               | 60 V                        |
| Rated current                       | 5 A                         |
| Insulation resistance               | $\geq 5000 \text{ M}\Omega$ |
| Contact resistance per contact pair | $\leq 2.5 \text{ m}\Omega$  |
| Transmission medium                 | Copper                      |
| Power transmission                  | Power                       |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 45.9 mm |
| Height | 63 mm   |
| Length | 13 mm   |

### Material specifications

|                                        |              |
|----------------------------------------|--------------|
| Flammability rating according to UL 94 | V0           |
| Housing material                       | Metal        |
| Housing surface material               | metal-plated |
| Contact material                       | Copper alloy |
| Contact surface material               | Gold         |
| Contact carrier material               | PBTP         |

### Mechanical properties

#### Mechanical data

|                                     |                       |
|-------------------------------------|-----------------------|
| Insertion/withdrawal cycles         | $\geq 200$            |
| Insertion force per signal contact  | $\leq 3.30 \text{ N}$ |
| Extraction force per signal contact | $\leq 2.2 \text{ N}$  |

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## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP20             |
| Ambient temperature (operation) | -20 °C ... 80 °C |

## Mounting

|               |                |
|---------------|----------------|
| Mounting type | Screw mounting |
|---------------|----------------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440302 |
| ECLASS-15.0 | 27440323 |

### ETIM

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

### UNSPSC

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

## 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                                | 3a104871-ad75-4daf-9a63-b9206378bd35 |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 1.596 kg CO2e |
|---------|---------------|