

# VS-25-ST-DSUB-LH-B - D-SUB contact insert



1654824

<https://www.phoenixcontact.com/us/products/1654824>

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D-SUB contact insert, shell size 3, with 25 signal contacts, type of contact pin, for PCB assembly, angled, fixing with a 2.5 mm hole and solder metal plate, for panel mounting frame VS-25-...



## Your advantages

- D-SUB 25 connection
- Easy assembly
- Direct PCB connection
- Compatible with IP67 panel-mount frame

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1654824       |
| Packing unit                         | 25 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB19          |
| Product key                          | ABNCAA        |
| GTIN                                 | 4017918989217 |
| Weight per piece (including packing) | 16.134 g      |
| Weight per piece (excluding packing) | 14.11 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 25       |
| Shielded            | no             |

### Insulation characteristics

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

### Electrical properties

|  |                |
|--|----------------|
| Rated voltage in acc. with IEC 61076-2-101 | 400 V          |
| Rated voltage (III/3)                      | 125 V          |
| Rated surge voltage                        | 1 kV           |
| Rated current                              | 5 A (at 20 °C) |
| Test voltage                               | 1200 V         |
| Transmission medium                        | Copper         |

### Connection data

|                   |                |
|-------------------|----------------|
| Connection method | PCB connection |
|-------------------|----------------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 53 mm   |
| Height | 12.5 mm |
| Length | 14 mm   |

### Material specifications

|  |                   |
|--|-------------------|
| Flammability rating according to UL 94 | V0                |
| Housing material                       | Steel, tin-plated |
| Housing surface material               | tin-plated        |
| Contact material                       | Copper alloy      |
| Contact surface material               | Au                |

### Mechanical properties

#### Mechanical data

|                                    |          |
|------------------------------------|----------|
| Insertion/withdrawal cycles        | ≥ 200    |
| Insertion force per signal contact | ≤ 3.40 N |

### Environmental and real-life conditions

#### Ambient conditions

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|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP20              |
| Ambient temperature (operation) | -55 °C ... 125 °C |

## Mounting

|               |                             |
|---------------|-----------------------------|
| Mounting type | Hole and solder metal plate |
|---------------|-----------------------------|

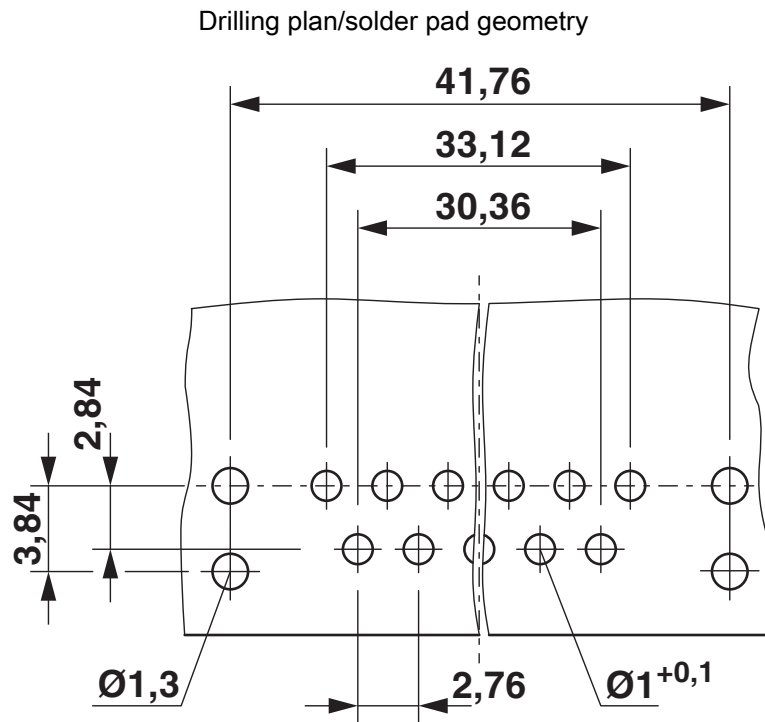
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## Drawings



Drilling diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1654824>



**UL Recognized**  
Approval ID: E118976

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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                                | 24f07eb3-14c2-49c4-b0f8-24140694e10e |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.824 kg CO2e |
|---------|---------------|

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