

# VS-15-ST-DSUB-ER - D-SUB connector



1688081

<https://www.phoenixcontact.com/us/products/1688081>

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D-SUB contact insert, shell size 2, with 15 signal contacts, type of contact pin, for PCB mounting, angled, fixing with M3 thread and solder pins, for panel mounting frame VS-15-...



## Your advantages

- D-SUB 15 connection
- Compatible with IP67 sleeve housing and panel-mount frame
- Easy assembly

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1688081       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB19          |
| Product key                          | ABNCAA        |
| GTIN                                 | 4017918179588 |
| Weight per piece (including packing) | 16.952 g      |
| Weight per piece (excluding packing) | 14.19 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 | 15             |
| Connection profile  | D-SUB 15       |
| 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  | 21.4 mm  |
| Height | 17.6 mm  |
| Length | 39.52 mm |

### Material specifications

|                                        |                              |
|----------------------------------------|------------------------------|
| Flammability rating according to UL 94 | V0                           |
| Housing material                       | Steel, tin-plated            |
| Contact material                       | Copper alloy                 |
| Contact surface material               | Hard gold-plated over nickel |
| Contact carrier material               | PBT-GF                       |

### Mechanical properties

#### Mechanical data

|                                    |          |
|------------------------------------|----------|
| Insertion/withdrawal cycles        | ≥ 50     |
| 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 | Threads and solder pins |
|---------------|-------------------------|

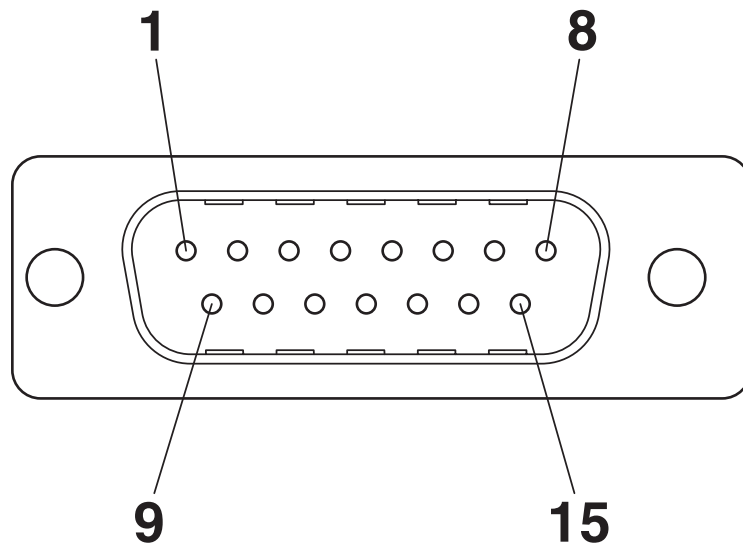
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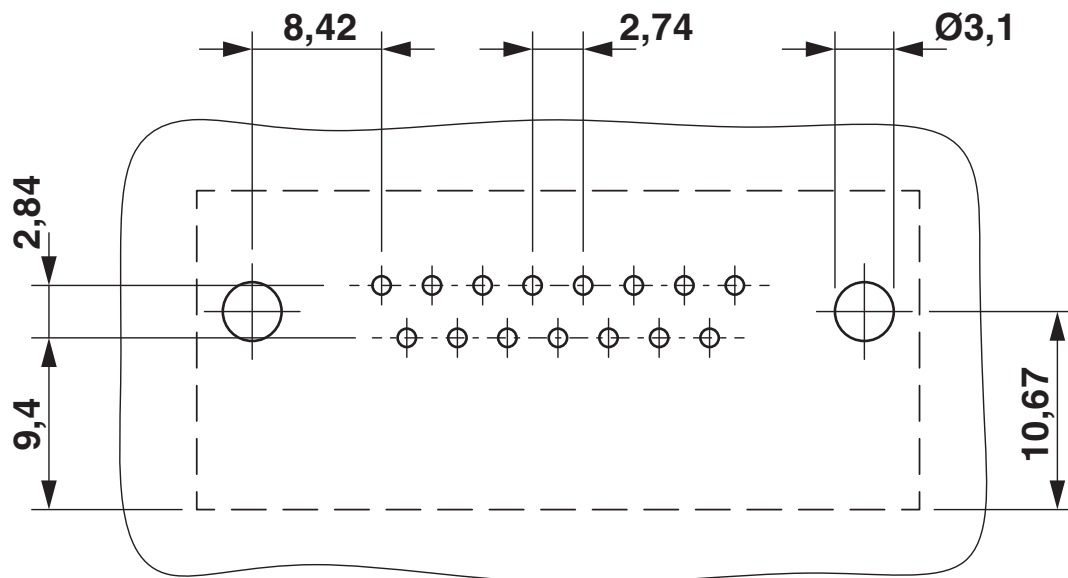
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## Drawings

Schematic diagram



Drilling plan/solder pad geometry



Drilling diagram

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1688081>



**UL Recognized**

Approval ID: E118976

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001132 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes                |
| Exemption                               | 6(a), 6(a)-I, 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                                | f7948a0b-3264-4063-95f3-99ffea16a22d |

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