

1655454  
<https://www.phoenixcontact.com/in/products/1655454>

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POWER contact, for D-SUB combination inserts, for PCB assembly, socket, angled, rated current 40 A, gold-plated

Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1655454             |
| Packing unit                         | 100 pc              |
| Minimum order quantity               | 100 pc              |
| Sales key                            | ABN                 |
| Product key                          | ABNCAC              |
| Catalog page                         | Page 447 (C-2-2019) |
| GTIN                                 | 4046356029384       |
| Weight per piece (including packing) | 2.65 g              |
| Weight per piece (excluding packing) | 2.5 g               |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

# VS-BU-LH-3,6/18/3,8 - D-SUB power contact



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## Technical data

### Product properties

|                       |                           |
|-----------------------|---------------------------|
| Product type          | Contacts                  |
| Type                  | Individual female contact |
| Contact material type | turned                    |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 02 |
|------------------|----|

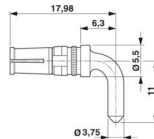
### Electrical properties

|                       |                          |
|-----------------------|--------------------------|
| Maximum load current  | 40 A                     |
| Rated surge voltage   | 1 kV                     |
| Rated current         | 40 A (at 20 °C)          |
| Insulation resistance | $\geq 5 \text{ G}\Omega$ |
| Test voltage          | 1000 V                   |

### Connection data

|                      |              |
|----------------------|--------------|
| Maximum load current | 40 A         |
| Connection method    | PCB mounting |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 13.8 mm                                                                              |
| Height              | 19.9 mm                                                                              |
| Length              | 5.5 mm                                                                               |

### Mechanical characteristics

|                  |        |
|------------------|--------|
| Contact diameter | 3.8 mm |
|------------------|--------|

### Material specifications

|                          |              |
|--------------------------|--------------|
| Material                 | Metal        |
| Contact material         | Copper alloy |
| Contact surface material | Au/Sn        |

### Mechanical properties

#### Mechanical data

|                                     |                       |
|-------------------------------------|-----------------------|
| Insertion/withdrawal cycles         | $\geq 500$            |
| Insertion force per signal contact  | $\leq 7.00 \text{ N}$ |
| Extraction force per signal contact | approx. 5 N           |

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## Environmental and real-life conditions

### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -55 °C ... 130 °C |
|---------------------------------|-------------------|

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | Solder connection |
|---------------|-------------------|

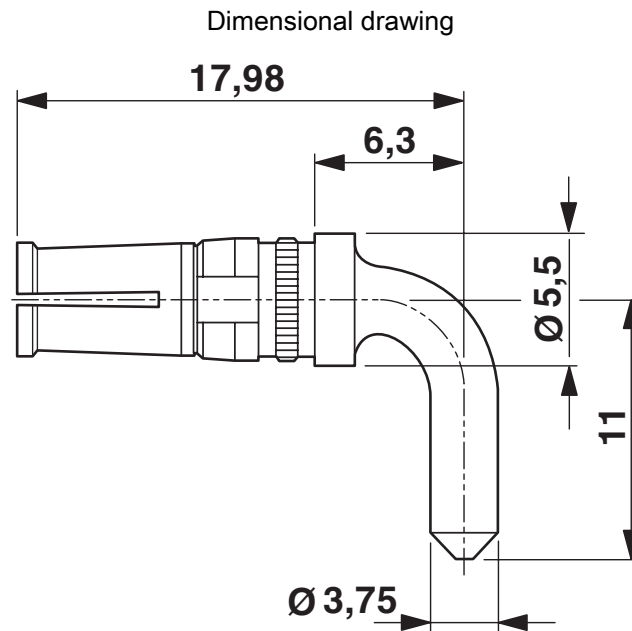
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## Drawings



D-SUB power contact socket

# VS-BU-LH-3,6/18/3,8 - D-SUB power contact



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440204 |
| ECLASS-12.0 | 27440204 |
| ECLASS-13.0 | 27440204 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000796 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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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                                | 73f6d195-55c5-4adf-81c1-6038ab988531 |

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## Accessories

### HC-M4-KOAX-EWZ - Contact removal tool

1676747

<https://www.phoenixcontact.com/in/products/1676747>

Contact removal tool for coaxial contacts



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