

VS-09-BU-DSUB-ER - Contact insert



1688405

<https://www.phoenixcontact.com/gb/products/1688405>

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D-SUB contact insert, shell size 1, with 9 signal contacts, type of contact socket, for PCB mounting, angled, fixing with M3 thread and solder pins, for panel mounting frame VS-09-...



Your advantages

- D-SUB 9 connection
- Compatible with IP67 sleeve housing and panel-mount frame
- Easy assembly

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1688405 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | ABNCAB |
| Product key | ABNCAB |
| Catalog page | Page 211 (C-2-2013) |
| GTIN | 4017918818326 |
| Weight per piece (including packing) | 15.02 g |
| Weight per piece (excluding packing) | 12.35 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

Safety note

Safety note

• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector

Product properties

| | |
|---------------------|----------------|
| Product type | Contact insert |
| Type | D-SUB |
| Number of positions | 9 |
| Connection profile | D-SUB |
| Number of slots | 1 |
| Type | Socket |
| Shielded | yes |

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 |
| Power transmission | Power |

Connection data

| | |
|-------------------|-------------------------|
| Connection method | Wave soldering contacts |
|-------------------|-------------------------|

Dimensions

| | |
|--------|----------|
| Width | 21.6 mm |
| Height | 17.6 mm |
| Length | 31.19 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 |

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| | |
|--------------------------|--------|
| Contact carrier material | PBT-GF |
|--------------------------|--------|

Mechanical properties

Mechanical data

| | |
|------------------------------------|-----------------------|
| Insertion/withdrawal cycles | ≥ 50 |
| Insertion force per signal contact | $\leq 3.40 \text{ N}$ |

Environmental and real-life conditions

Ambient conditions

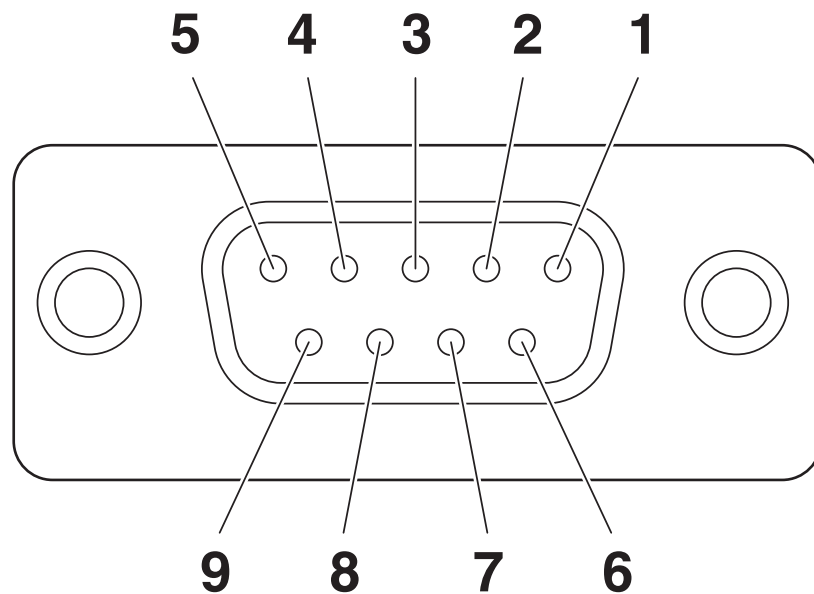
| | |
|---------------------------------|-------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -55 °C ... 125 °C |

Mounting

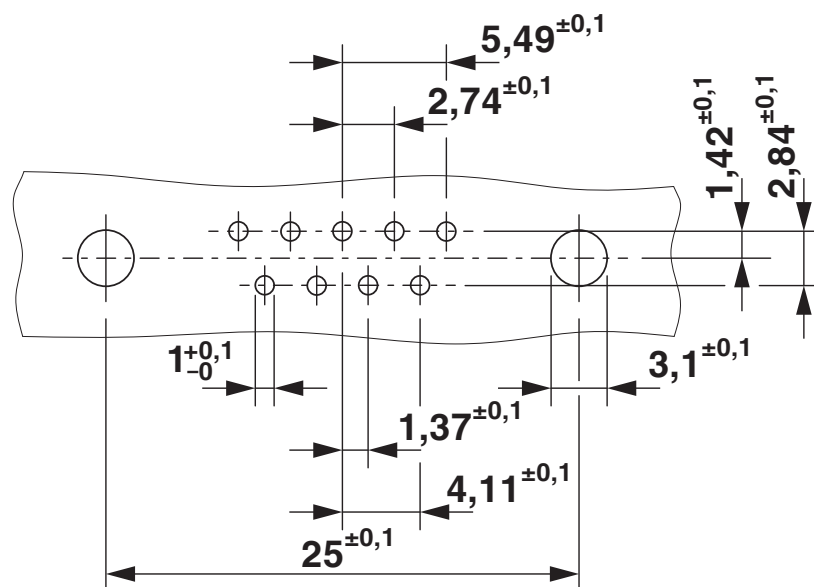
| | |
|---------------|----------------|
| Mounting type | Screw mounting |
|---------------|----------------|

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/gb/products/1688405>



UL Recognized

Approval ID: E118976

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440302 |
|-------------|----------|

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 | 0f9883a2-d089-449b-96c3-09f37d2b447f |

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