

# VS-MSTBVA 2,5/ 5-GB-5,08-BK-A - Male insert

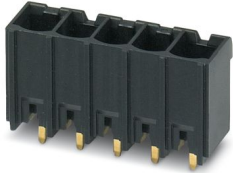


1609565

<https://www.phoenixcontact.com/us/products/1609565>

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MSTB contact insert, for PCB assembly, 24 V, 5-pos., with straight solder pins, RAL 9005 (black), for panel mounting frame VS-PPC-F2-MSTB-...-1R-P



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1609565       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | AB17          |
| Product key                          | ABNOJA        |
| GTIN                                 | 4046356175876 |
| Weight per piece (including packing) | 2.408 g       |
| Weight per piece (excluding packing) | 2.408 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                    |   |
|--------------------|---|
| General            | This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 11 Connectors for 24 Volt Power Supply Cabling and Chapter 13 Application specific Cabling and Interconnection Technology (AIDA) |
| Notes on operation | In accordance with IEC 61984, the connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.   |

### Product properties

|                     |               |
|---------------------|---------------|
| Product type        | Female insert |
| Type                | Version 14    |
| Number of positions | 5             |
| Pitch               | 5.08 mm       |

### Electrical properties

|                       |          |
|-----------------------|----------|
| Rated voltage (III/3) | 24 V     |
| Rated current         | 16 A     |
| Insulation resistance | ≥ 500 MΩ |
| Transmission medium   | Copper   |
| Power transmission    | Power    |

### Connection data

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

### Dimensions

|        |         |
|--------|---------|
| Width  | 16.6 mm |
| Height | 10.4 mm |
| Length | 27.4 mm |
| Pitch  | 5.08 mm |

### Material specifications

|  |                  |
|--|------------------|
| Color                                  | black            |
| Flammability rating according to UL 94 | V0               |
| Housing material                       | Plastic          |
| Contact material                       | Copper alloy     |
| Contact surface material               | Gold over nickel |
| Contact carrier material               | PA               |

### Mechanical properties

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## Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|-------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
|---------------------------------|------------------|

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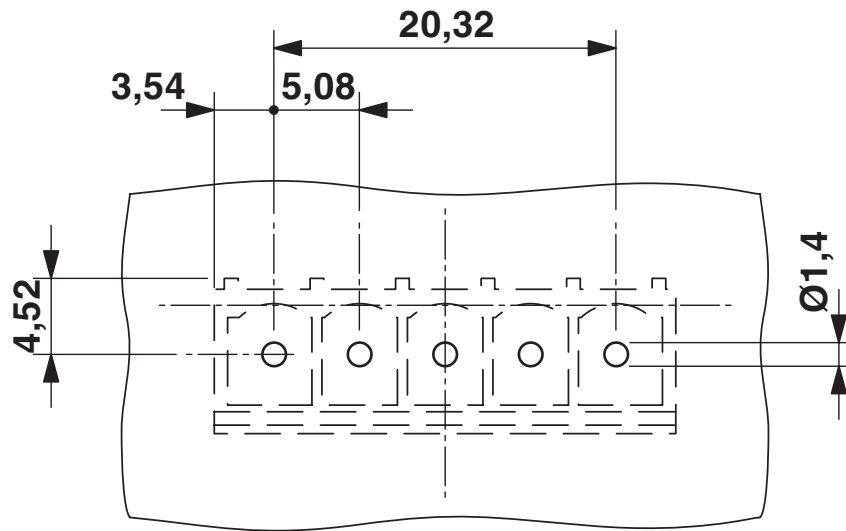


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## Drawings

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/1609565>

|  <b>cULus Recognized</b><br>Approval ID: E118976-20080903 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 24 V                  | 16 A                  | -                 | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440390 |
| ECLASS-15.0 | 27440390 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC004746 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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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)