

Contact insert - VC-AMS 5 - 1607748

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Contact insert module, for panel mounting frames, with screw connection, 4-pos. + PE, 690 V / 70 A

The figure shows the product version VC-AMS 5

Your advantages

- Compact design
- Proven COMBICON technology
- Universal connection
- Can be keyed to prevent incorrect connection

Key Commercial Data

| | |
|--------------------------------------|---------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 5 pc |
| GTIN | 4 017918 969202 |
| GTIN | 4017918969202 |
| Weight per Piece (excluding packing) | 58.590 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

General

| | |
|-----------------------|---|
| Note | Connectors may only be connected/disconnected when under no load. |
| Connection technology | Screw connection |
| Connection method | Screw connection |
| Tightening torque | 1.2 Nm ... 1.8 Nm |

Contact insert - VC-AMS 5 - 1607748

Technical data

General

| | |
|---|--|
| Degree of pollution | 3 |
| Number of positions | 4+PE |
| Insertion/withdrawal cycles | ≥ 50 |
| Size | VC3 |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 6 |
| Conductor cross section | 0.5 mm ² ... 16 mm ² |
| Connection cross section AWG | 20 ... 5 |
| Stripping length of the individual wire | 12 mm |

Ambient conditions

| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 100 °C |
|---------------------------------|-------------------|

Material data

| | |
|--------------------------|--------------------|
| Housing material | PA |
| Contact material | CuZn |
| Contact surface material | hard-silver plated |
| Contact carrier material | PA |

Electrical characteristics

| | |
|-----------------------|-------|
| Rated voltage (III/3) | 690 V |
| Rated surge voltage | 6 kV |
| | 6 kV |
| Rated current | 70 A |
| | 70 A |

Standards and Regulations

| | |
|--|-----|
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

| | |
|------------|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
|------------|----------|

Contact insert - VC-AMS 5 - 1607748

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.1 | 27140816 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27261200 |
| eCl@ss 6.0 | 27261200 |
| eCl@ss 7.0 | 27440205 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000438 |
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |
| ETIM 7.0 | EC000438 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

Contact insert - VC-AMS 5 - 1607748

Approvals

| | | | |
|----------------------------|--|---|---------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 55 A | |
| mm ² /AWG/kcmil | | 20-6 | |

| | | | |
|----------------------------|--|---|---------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 45 A | |
| mm ² /AWG/kcmil | | 20-6 | |

| | | |
|-----|--|---------|
| EAC | | B.01742 |
|-----|--|---------|

| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

Accessories

Accessories

Coding element

Coding profile - CP-HCC 4 - 1600027

Coding profile, pitch: 0 mm, number of positions: 1, color: red

