

# Contact insert - HC-A16-I-PT-F - 1585388

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Contact insert, Size: D25, Number of positions: 16+PE, Socket, Push-in connection, 250 V, 20 A, 0.14 mm² ... 2.5 mm²



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 STK         |
| GTIN         |               |
| GTIN         | 4046356285117 |

## Technical data

### General

|                                         |                                                                     |
|-----------------------------------------|---------------------------------------------------------------------|
| Note                                    | For HC-D25 / HC-D 50 housing                                        |
| Connection method                       | Push-in connection                                                  |
| Screwdriver blade                       | 0.5 x 3.5 mm                                                        |
| Degree of pollution                     | 3                                                                   |
| Overvoltage category                    | III                                                                 |
| Number of positions                     | 16+PE                                                               |
| Insertion/withdrawal cycles             | ≥ 500                                                               |
| Size                                    | D25                                                                 |
| Conductor cross section                 | 0.14 mm² ... 2.5 mm² (applies to stranded conductors with ferrules) |
| Connection cross section AWG            | 26 ... 14                                                           |
| Stripping length of the individual wire | 8 mm                                                                |
| Assembly instructions                   | Connectors may be operated only when there is no load/voltage.      |

### Ambient conditions

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
|---------------------------------|------------------------------------------------------|

### Material data

|                          |              |
|--------------------------|--------------|
| Contact material         | Copper alloy |
| Contact surface material | Ag           |

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## Technical data

### Material data

|                          |    |
|--------------------------|----|
| Contact carrier material | PC |
|--------------------------|----|

### Electrical characteristics

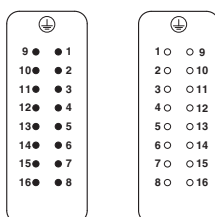
|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage   | 4 kV  |
|                       | 4 kV  |
| Rated current         | 20 A  |

### Standards and Regulations

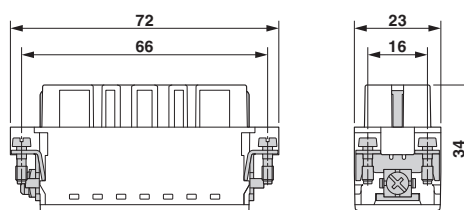
|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

## Drawings

Schematic diagram



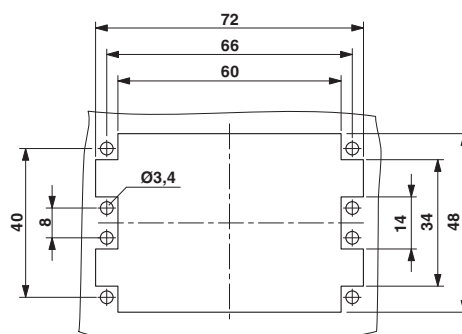
Dimensional drawing



Connector pin assignment, connection side

Female insert

Dimensional drawing



Mounting cutout

## Approvals

### Approvals

### Approvals

GL / EAC / CSA / UL Recognized

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## Approvals

Ex Approvals

### Approval details

|    |  |                                                                           |            |
|----|--|---------------------------------------------------------------------------|------------|
| GL |  | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | 6196614 HH |
|----|--|---------------------------------------------------------------------------|------------|

|     |  |  |               |
|-----|--|--|---------------|
| EAC |  |  | EAC-Zulassung |
|-----|--|--|---------------|

|                                |  |                                                                                                                                                                                           |       |
|--------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                            |  | <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> | 13631 |
| mm <sup>2</sup> /AWG/kcmil     |  | 14                                                                                                                                                                                        |       |
| Nominal current I <sub>N</sub> |  | 13 A                                                                                                                                                                                      |       |
| Nominal voltage U <sub>N</sub> |  | 600 V                                                                                                                                                                                     |       |

|                                |  |                                                                                                                                                       |         |
|--------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| UL Recognized                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E118976 |
| mm <sup>2</sup> /AWG/kcmil     |  | 14                                                                                                                                                    |         |
| Nominal current I <sub>N</sub> |  | 16 A                                                                                                                                                  |         |
| Nominal voltage U <sub>N</sub> |  | 600 V                                                                                                                                                 |         |

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