

# Contact insert - HC-D 25-ESTC-R - 1679472

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HEAVYCON male insert, D25 series, 25-pos., crimp connection, rolled contacts



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 10 pc         |
| GTIN         |               |
| GTIN         | 4017918163709 |

## Technical data

### General

|   |  |
|---|--|
| Note                                    | For HC-D25 housing, crimp contacts CK1,6-ER (crimp contacts not included in scope of supply)                             |
| Connection method                       | Crimp connection   |
| Degree of pollution                     | 3  |
| Overvoltage category                    | III  |
| Number of positions                     | 25+PE  |
| Insertion/withdrawal cycles             | ≥ 500  |
| Size                                    | D25<br>D50   |
| Conductor cross section                 | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>   |
| Connection cross section AWG            | 26 ... 16  |
| Stripping length of the individual wire | 3 mm +0,5 mm (0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> )<br>3.5 mm +1 (0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> ) |
| Assembly instructions                   | To ensure correct use, installation in housing with IP54 protection or better is required                                |
| Connection                              | Connectors may be plugged in only when there is no load/voltage.   |

### Ambient conditions

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

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## Technical data

### Material data

|                          |                       |
|--------------------------|-----------------------|
| Contact material         | Copper alloy          |
| Contact surface material | Ag (alternatively Au) |
| Contact carrier material | PC                    |

### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage   | 4 kV  |
| Rated current         | 10 A  |

### Standards and Regulations

|  |                            |
|--|----------------------------|
| Connection in acc. with standard       | CSA                        |
| Constructional and testing regulations | DIN VDE 0627/86            |
|  | DIN VDE 0110/02.79         |
|  | DIN VDE 0110-1/04.97       |
|  | IEC 60664-1, DIN IEC 60512 |
|  | IEC 60352                  |
| Flammability rating according to UL 94 | V0                         |

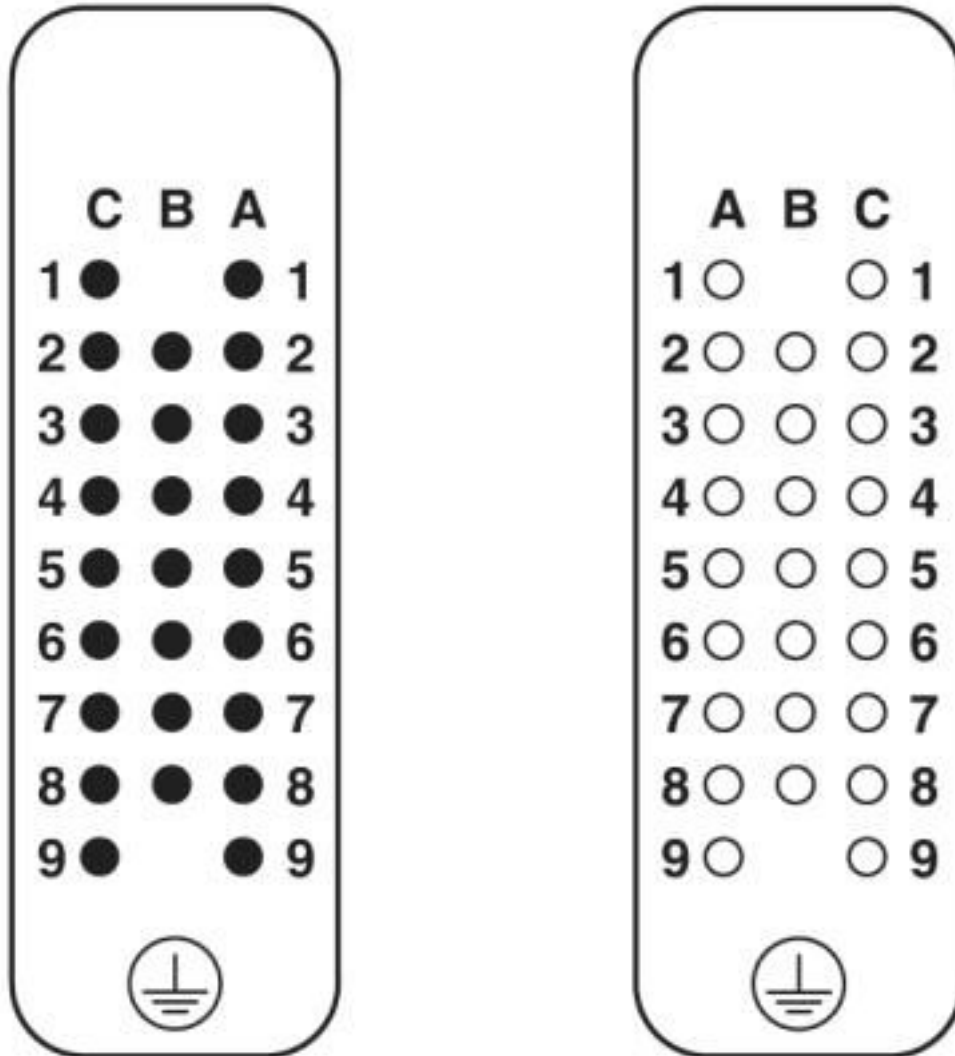
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

# Contact insert - HC-D 25-ESTC-R - 1679472

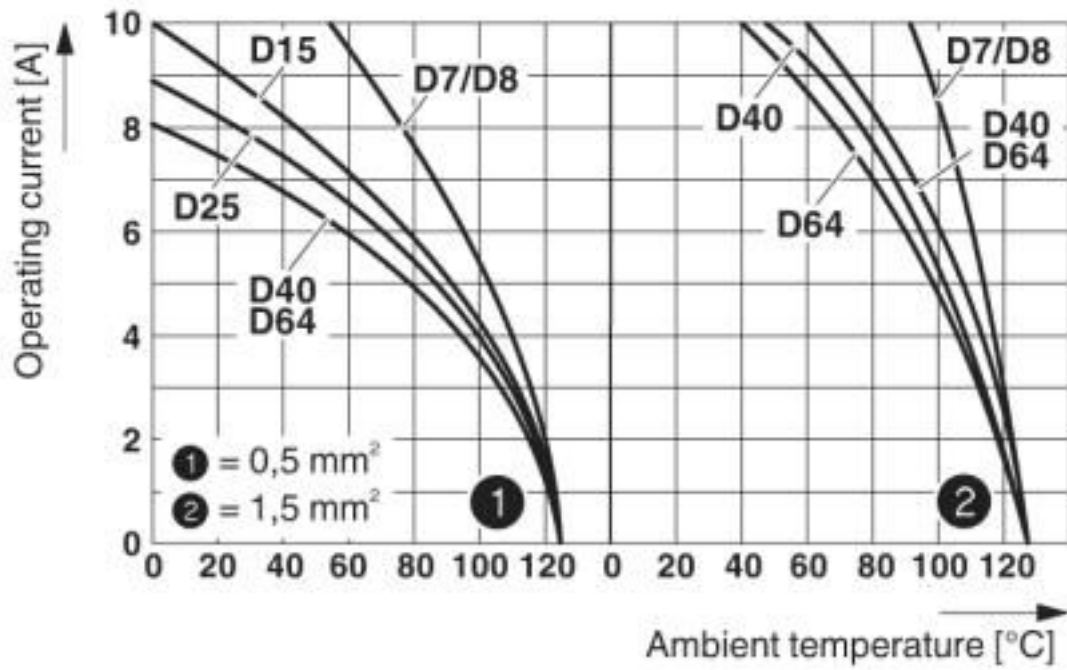
Schematic diagram



Connector pin assignment connection side: Left pin; right socket

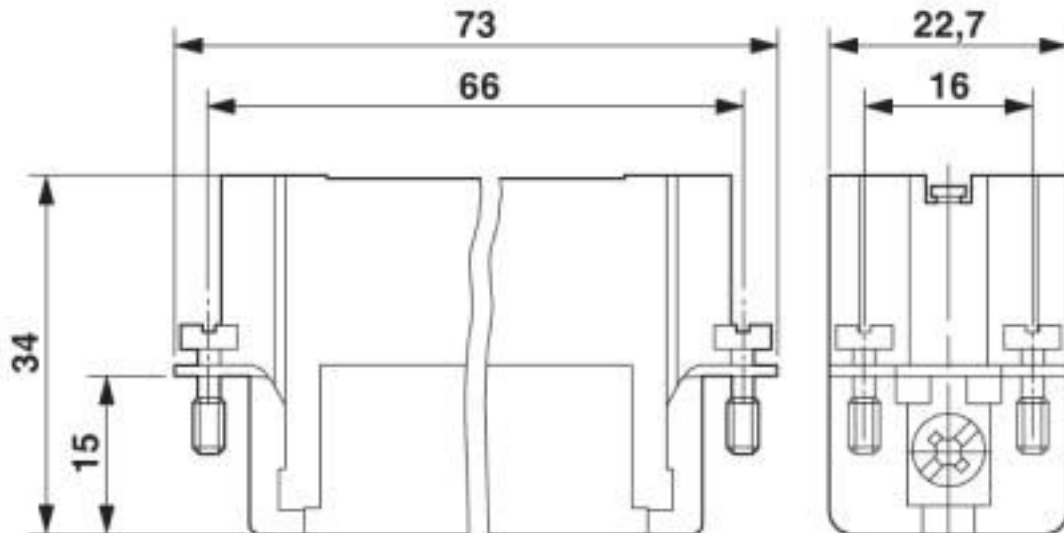
# Contact insert - HC-D 25-ESTC-R - 1679472

Diagram



Derating diagram: Series HC-D...C-R

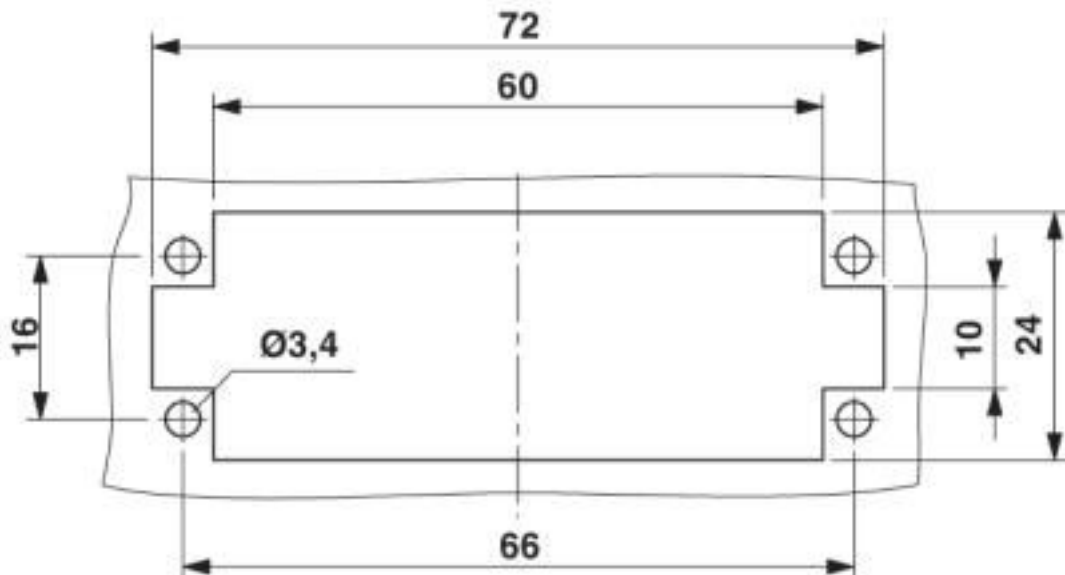
Dimensional drawing



Male insert

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Dimensional drawing



Mounting cutout when used without housing

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440205 |
| eCl@ss 4.0    | 27140800 |
| eCl@ss 4.1    | 27140800 |
| eCl@ss 5.0    | 27143400 |
| 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 |

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## Classifications

### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2  | 39121522 |
| UNSPSC 18.0  | 39121522 |
| UNSPSC 19.0  | 39121522 |
| UNSPSC 20.0  | 39121522 |
| UNSPSC 21.0  | 39121522 |

## Approvals

### Approvals

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Approvals

UL Recognized / EAC / DNV GL / EAC

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Ex Approvals

### Approval details

|                            |       |   |               |
|----------------------------|-------|---|---------------|
| 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> | FILE E 118976 |
| Nominal voltage UN         | 600 V |   |               |
| Nominal current IN         | 10 A  |   |               |
| mm <sup>2</sup> /AWG/kcmil | 14    |   |               |

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.AI30.B.01102 |
|-----|--|--------------------------|

|        |  |   |            |
|--------|--|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE000037S |
|--------|--|---|------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|--|--------------------------|

## Accessories

### Accessories

## Contact insert - HC-D 25-ESTC-R - 1679472

### Accessories

#### Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

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#### Crimp contact

Crimp contact - CK1,6-ER-1,00ST OIC AG - 1004360



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm<sup>2</sup> ... 1 mm<sup>2</sup> AWG 22 ... 17

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Crimp contact - CK1,6-ER-2,50ST OIC AG - 1004365



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> AWG 16 ... 14

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## Contact insert - HC-D 25-ESTC-R - 1679472

### Accessories

Crimp contact - CK1,6-BR-1,00ST OIC AG - 1004380



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm<sup>2</sup> ... 1 mm<sup>2</sup> AWG 22 ... 17

Crimp contact - CK1,6-BR-2,50ST OIC AG - 1004382



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> AWG 16 ... 14

### Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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[6651788-1](#) [696475-1](#) [702-32-01109](#) [703-25-02205](#) [73000005059](#) [73000005642](#) [73080255059](#) [73080965046](#) [765-15-0080A](#) [765-16-0080B](#)  
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