

# HC-D 64-ESTC - Contact insert

1772528

<https://www.phoenixcontact.com/us/products/1772528>



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Contact insert, number of positions: 64+PE, size: D64, Pin, Crimp connection, 250 V, 10 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1772528                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF61                           |
| Product key                          | AF7ABE                         |
| GTIN                                 | 4017918037192                  |
| Weight per piece (including packing) | 79.78 g                        |
| Weight per piece (excluding packing) | 79.78 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|         |                                                                                                                                                                          |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | For HEAVYCON ADVANCE housings of B24 type and HEAVYCON housings of B24/48 types, crimp contacts CK1,6-ED / CK1,6-BR (crimp contacts not included in the scope of supply) |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Mounting

|               |                                                                                                                                                                                 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly note | Connectors may be operated only when there is no load/voltage.<br>Here, coding pins and sockets have been prescribed to avoid incorrect contacting when plugged in at an angle. |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

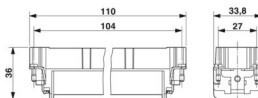
### Product properties

|                     |                                              |
|---------------------|----------------------------------------------|
| Product type        | Contact insert with a fixed no. of positions |
| Type                | D64                                          |
| Number of positions | 64                                           |
| Connection profile  | 64+PE                                        |
| Contact numbering   | 1 - 64                                       |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 34 mm                                                                                |
| Height              | 32.5 mm                                                                              |
| Length              | 111 mm                                                                               |

### Connection data

#### Connection technology

|                                  |                  |
|----------------------------------|------------------|
| Connection technology            | Crimp connection |
| Connection in acc. with standard | IEC / EN         |

#### Conductor connection

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| Conductor cross-section                 | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Connection cross section AWG            | 26 ... 14                                    |
| Stripping length of the individual wire | 8 mm<br>6 mm (2.5 mm <sup>2</sup> )          |

### Electrical properties

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

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

## Material specifications

|                                        |                       |
|----------------------------------------|-----------------------|
| Flammability rating according to UL 94 | V0                    |
| Contact material                       | Copper alloy          |
| Contact surface material               | Ag (alternatively Au) |
| Contact carrier material               | PA                    |

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

|                                        |                            |
|----------------------------------------|----------------------------|
| 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                  |
| Tests                                  | DIN VDE 0627/86            |
|                                        | DIN VDE 0110/02.79         |
|                                        | DIN VDE 0110-1/04.97       |
|                                        | IEC 60664-1, DIN IEC 60512 |
|                                        | IEC 60352                  |

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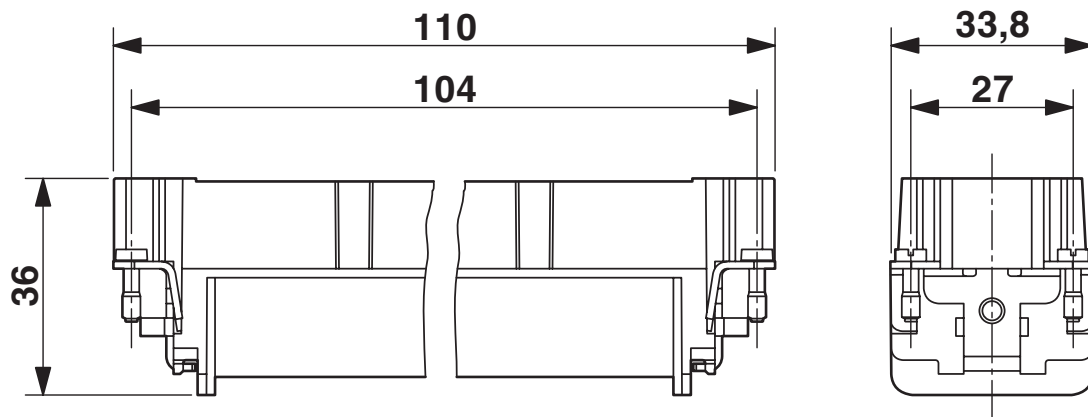
1772528

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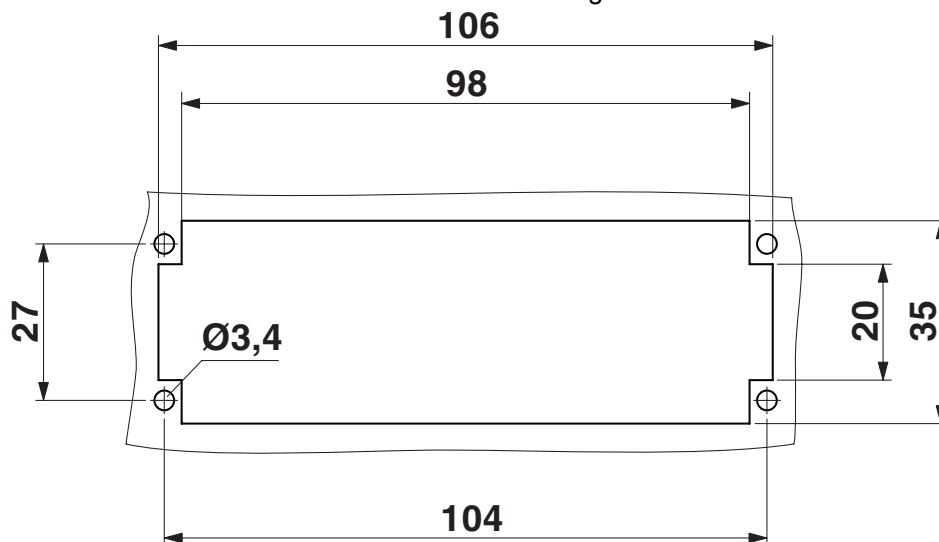
## Drawings

Dimensional drawing



Male insert (turned contacts)

Dimensional drawing

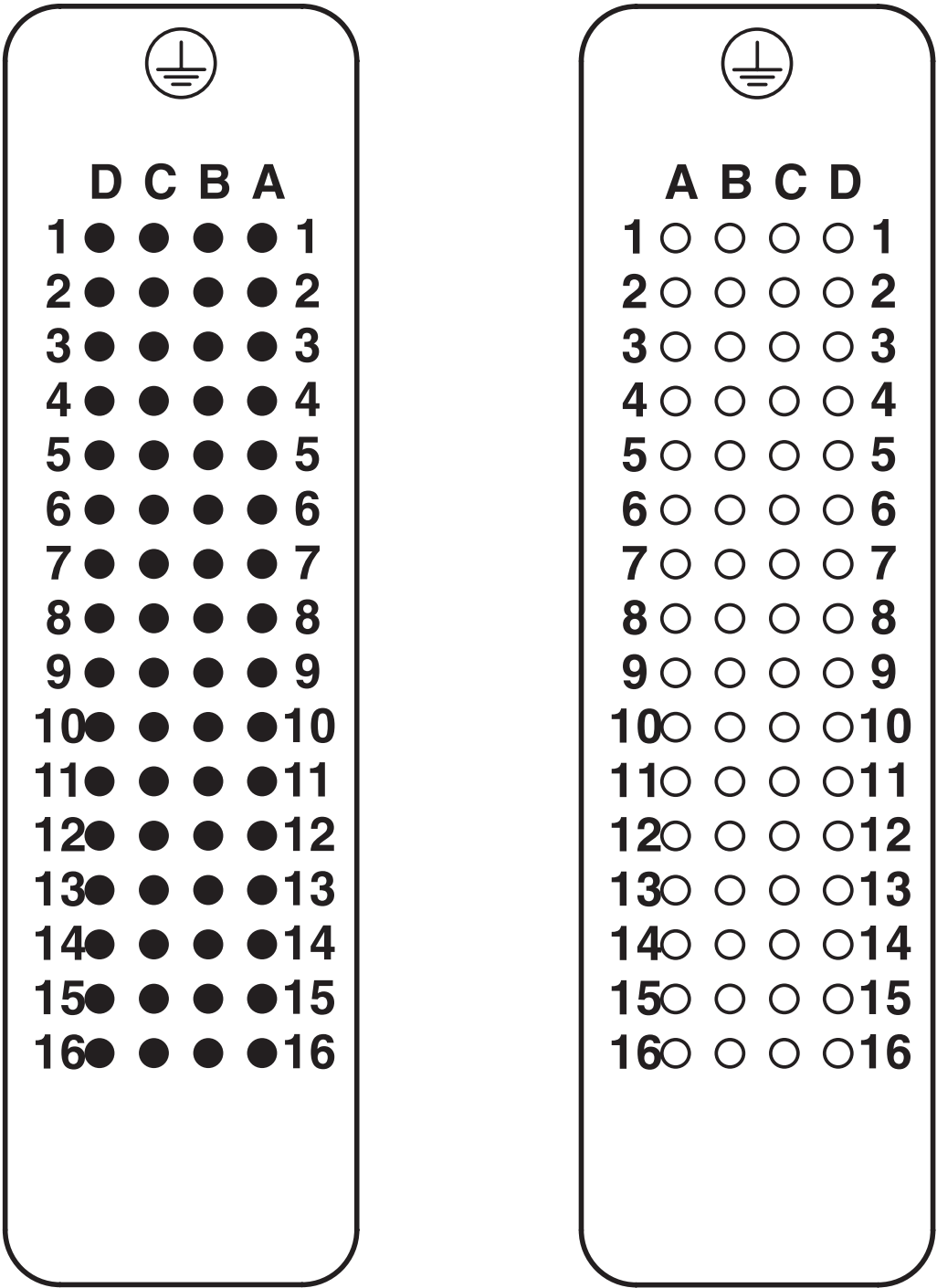


Mounting cutout

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Schematic diagram

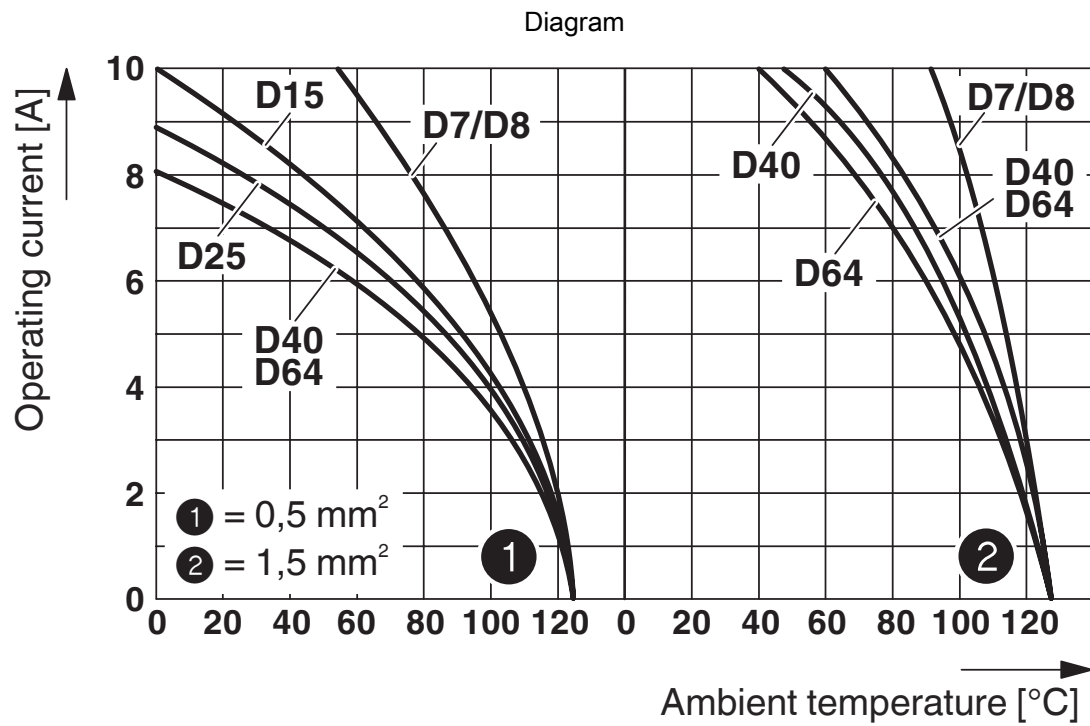


Connector pin assignment, connection side

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Derating diagram: HC-D...C series

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440205 |
| ECLASS-15.0 | 27440205 |

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## Environmental product compliance

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)