

Contact insert - HC-B10-I-PT-M - 1407730

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HEAVYCON pin insert, B10 series, 10 + PE-pos., push-in connection

Your advantages

- For fast coding with plastic profile
- Conductor connection without tools
- Significant time savings during conductor connection
- Test connection for 2 mm test plug


RoHS
COMPLETE RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 777551 |
| GTIN | 4046356777551 |
| Weight per Piece (excluding packing) | 59.100 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|------------------------------------|--|
| Note | For solid conductors or stranded conductors with ferrules |
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Push-in connection |
| Number of connections per position | 1 |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 10+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B10 |

<https://www.phoenixcontact.com/gb/products/1407730>



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Technical data

General

| | |
|------------------------------|---|
| Contact numbering | 1 - 10 |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² (with ferrule) |
| Connection cross section AWG | 26 ... 14 (with ferrule) |
| Stripping length | 8 mm ... 10 mm |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| Connection | Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule. |

Ambient conditions

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

Material data

| | |
|--------------------------|---|
| Contact material | Copper alloy |
| Contact surface material | Ag/Sn (tarnish protection) |
| Contact carrier material | PC |
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) |
| | PC: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

Electrical characteristics

| | |
|-----------------------|-----------------------|
| Rated voltage (III/3) | 500 V |
| Rated surge voltage | 6 kV |
| Rated current | 16 A (power contacts) |

Standards and Regulations

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

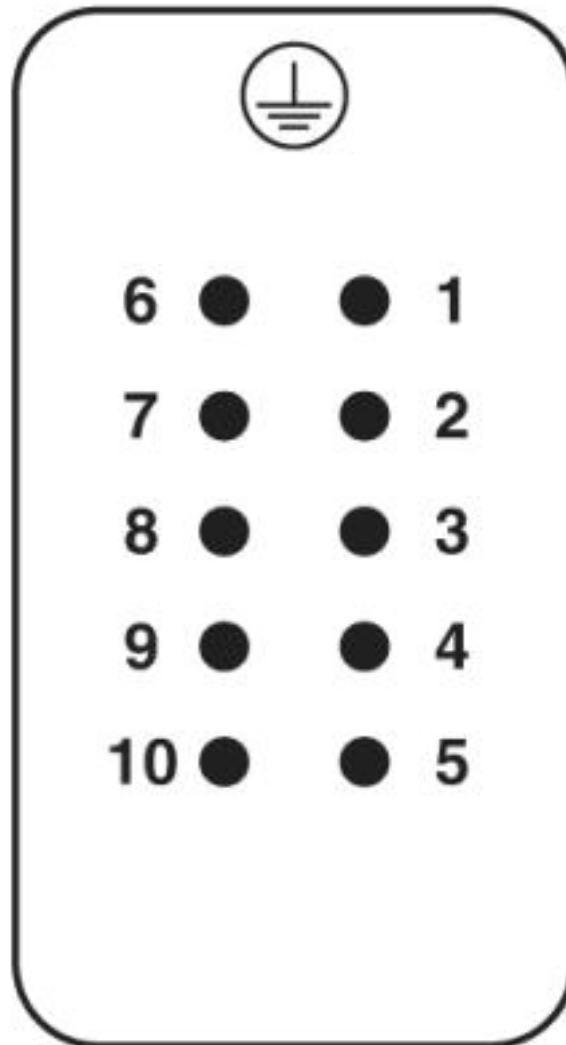
Environmental Product Compliance

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

Drawings

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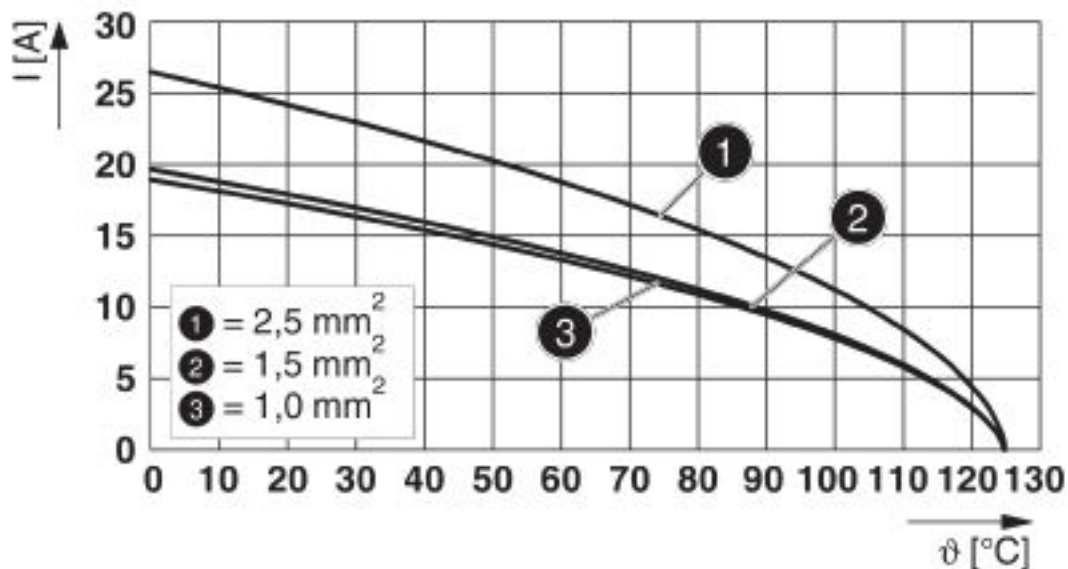
Schematic diagram



Connector pin assignment, connection side

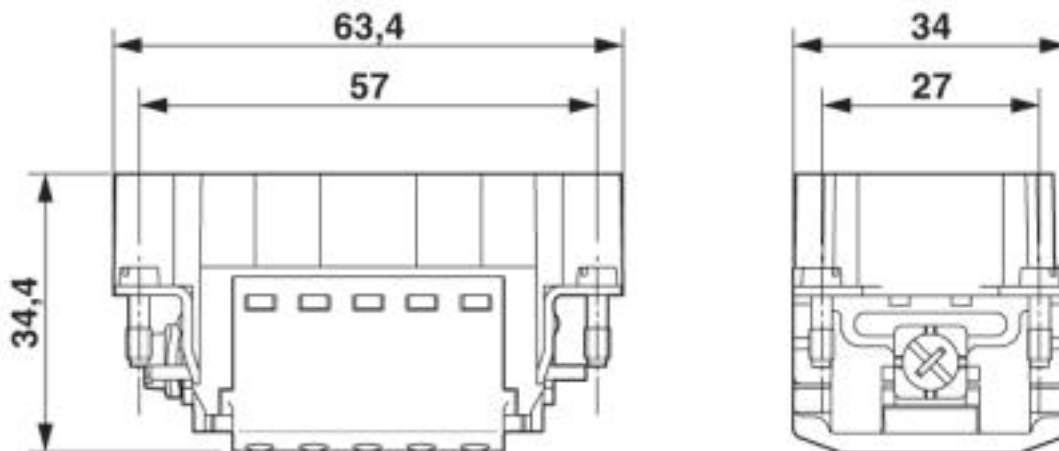
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Diagram



Derating diagram

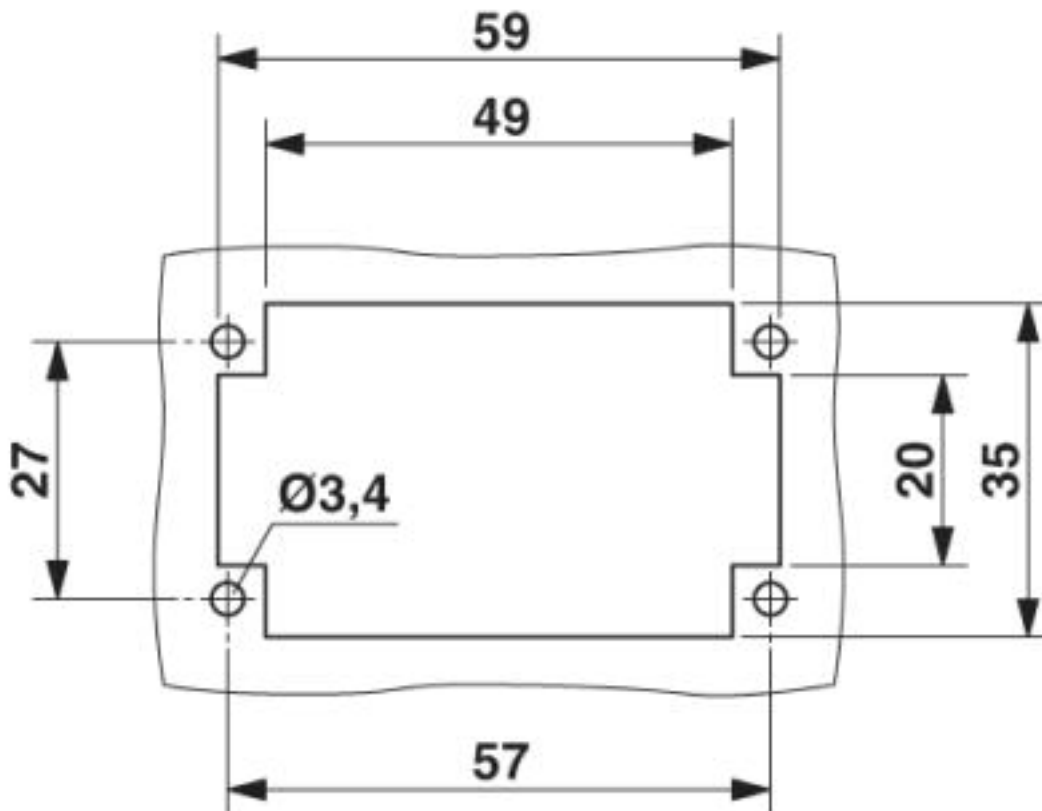
Dimensional drawing



Dimensional drawing

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Dimensional drawing



Mounting cutout when used without housing

Classifications

eCl@ss

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



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Classifications

UNSPSC

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

Approvals


Approvals


Approvals


CSA / UL Recognized / EAC / DNV GL

Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 10 A | |
| mm ² /AWG/kcmil | | 14 | |

| | | | |
|----------------------------|---|---|---------------|
| 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 | | 13 A | |
| mm ² /AWG/kcmil | | 14 | |

| | | | |
|-----|---|--|--------------------------|
| EAC |  | | RU C- DE.AI30.B.01102 |
|-----|---|--|--------------------------|

| | | | |
|--------|---|---|------------|
| DNV GL |  | https://approvalfinder.dnvgl.com/ | TAE000037S |
|--------|---|---|------------|

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