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HEAVYCON female insert, B10 series, 10-pos., for crimp contacts



Your advantages

For fast coding with plastic profile



Key Commercial Data

COMPLETE line

| Packing unit | 1 pc |
|--------------------------------------|-----------------|
| GTIN | 4 046356 092357 |
| GTIN | 4046356092357 |
| Weight per Piece (excluding packing) | 55.210 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| Note | For HEAVYCON ADVANCE and HEAVYCON housing of B10 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply). |
|------------------------------------|---|
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Crimp connection |
| Torque | 0.8 Nm 1.2 Nm (PE connection) |
| | 0.5 Nm 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Number of connections per position | 1 |
| Degree of pollution | 3 |



Technical data

General

| Overvoltage category | III |
|---|---|
| Number of positions | 10+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B10 |
| Contact numbering | 1 - 10 |
| Conductor cross section | 0.5 mm ² 4 mm ² |
| Connection cross section AWG | 20 12 |
| Stripping length of the individual wire | 7.5 mm |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| Connection | Remove the crimp contact using a screwdriver. The opening for the screwdriver is next to the opening where the conductor is inserted. |

Ambient conditions

| Degree of protection (IP) | IP20 |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C 125 °C (including heating up of contacts) |

Material data

| Contact material | Copper alloy |
|--------------------------|---|
| Contact surface material | Ag (alternatively Au) |
| Contact carrier material | РА |
| Standards/regulations | PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) |
| | PA: 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 |

Standards and Regulations

| Connection in acc. with standard | CSA |
|--|--------------|
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Flammability rating according to UL 94 | V0 |

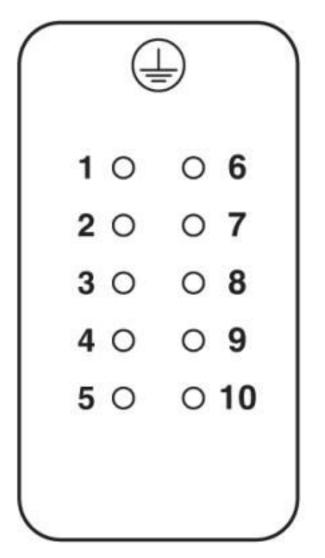
Environmental Product Compliance

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



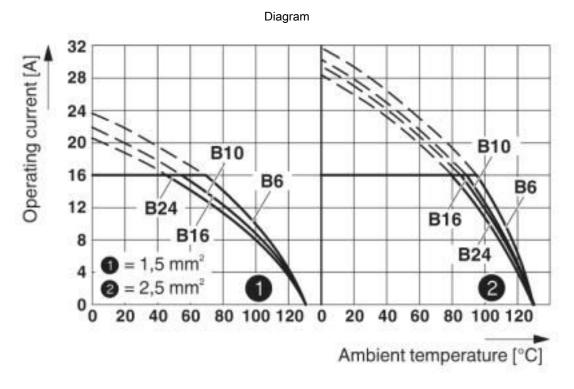
Drawings

Schematic diagram



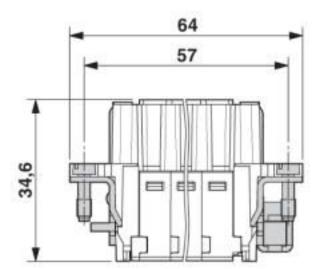
Connector pin assignment, connection side

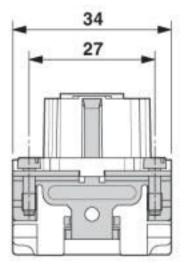




Derating diagram

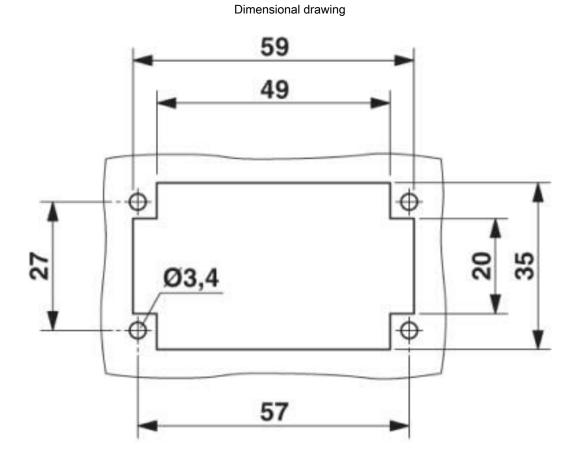
Dimensional drawing





Female insert





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 3.0 | EC000438 |
|----------|------------------------|
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Classifications

ETIM

| 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 |
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

| CSA | (5) | http://www.csagroup.org/services-industries/product-listing/ 013631_6233_0 | | 013631_6233_01 |
|--------------------|------------|--|-------|----------------|
| | | | | |
| Nominal voltage UN | | | 600 V | |
| Nominal current IN | | | 20 A | |
| mm²/AWG/kcmil | | | 20-12 | |



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Contact insert - HC-B 10-I-CT-F - 1648225

Approvals

Γ

| UL Recognized | AL htt | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 1189 | | FILE E 118976 |
|--------------------|--------|---|-------|---------------|
| | | | | |
| Nominal voltage UN | | | 600 V | |
| Nominal current IN | | | 13 A | |
| mm²/AWG/kcmil | | | 22-14 | |

| cUL Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.h | tm FILE E 118976 |
|--------------------|---|------------------|
| | | |
| Nominal voltage UN | 600 V | |
| Nominal current IN | 13 A | |
| mm²/AWG/kcmil | 22-14 | |

| EAC | EAC | RU C- DE.AI30.B.01102 |
|------------------|----------------|--------------------------|
| EAC | EAC | RU C- DE.BL08.B.00511 |
| cULus Recognized | c AL us | |

Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways



Accessories

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722



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

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Dummy socket - CK2,5-ED-BB - 1584693



Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB.../HC-M... series contact inserts.

Crimp contact

Crimp contact - CK2,5-ED-0,50BU AG - 1663640



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated



Accessories

Crimp contact - CK2,5-ED-0,75BU AG - 1663653



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK2,5-ED-1,00BU AG - 1663666



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK2,5-ED-1,50BU AG - 1663679



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50BU AG - 1663682



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Crimp contact - CK2,5-ED-3,00BU AG - 1663695



Turned 2.5 crimp contact, individual female contact, core diameter 3.00 mm², silver-plated

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Accessories

Crimp contact - CK2,5-ED-4,00BU AG - 1663705



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK2,5-ED-0,50BU AU - 1674859



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK2,5-ED-1,00BU AU - 1674833



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50BU AU - 1674820



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK2,5-ED-2,50BU AU - 1674862



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

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Accessories

Crimp contact - CK2,5-ED-4,00BU AU - 1674846



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², gold-plated

Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

Docking frame

Docking frames - HC-B 10-ANDOCK - 1586125



Docking frame for racks, for contact inserts of B10 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

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Accessories

PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

Crimp contact - CK2,5-ED-0,37BU AU - 1585647



Crimp contact, connection method: Crimp connection, connection cross section: AWG 22-26

Additional products

Contact insert - HC-B 10-I-CT-M - 1648212



HEAVYCON male insert, B10 series, 10-pos., for crimp contacts

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