

Contact insert - HC-BB18-I-PT-F - 1014419

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Contact insert, number of positions: 18+PE, size: B10, power contacts: 18, control contacts: 0, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

Your advantages

- ✔ For fast coding with plastic profile (Order No. 1410916, type CP-HC-S)



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4055626492964 |

Technical data

General

| | |
|------------------------------------|--|
| Note | for flexible conductors with or without ferrules |
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Push-in 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 |
| Overvoltage category | III |
| Number of positions | 18+PE |
| No. of power contacts | 18 |
| No. of control contacts | 0 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B10 |
| Contact numbering | 1 - 18 |

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Technical data

General

| | |
|---|---|
| Conductor cross section | 0.5 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 20 ... 14 |
| Stripping length of the individual wire | 10 mm |
| Minimum housing height | 72 mm |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |

Ambient conditions

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

Material data

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

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 |
| Standards/regulations | acc. to DIN EN 45545-2 |

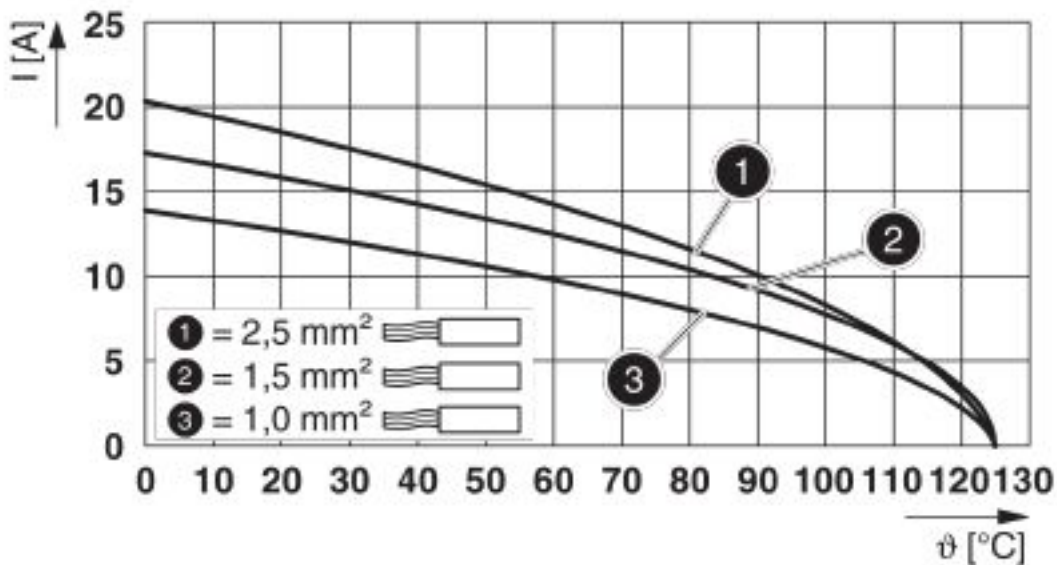
Environmental Product Compliance

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

Drawings

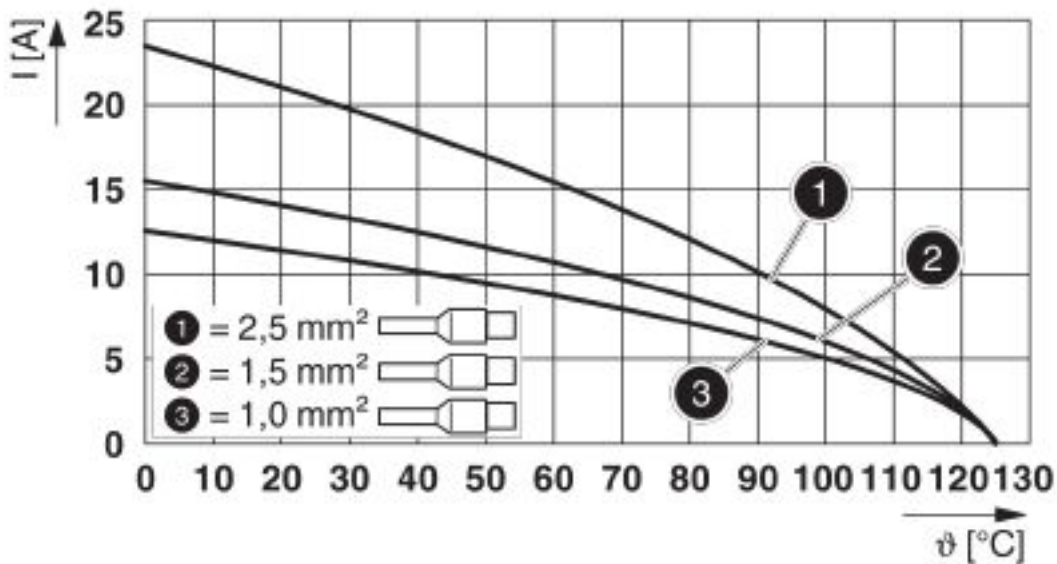
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Diagram



Derating diagram for flexible conductors

Diagram



Derating diagram for flexible conductors with ferrule

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440205 |
| eCl@ss 4.0 | 272607xx |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| 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 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

EAC / EAC

Ex Approvals

Approval details

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

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Approvals

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00511 |
|-----|---|--------------------------|

Accessories

Accessories

Coding element

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Coding profile - CP-HC-S - 1410916

Coding profile, 4 elements per star, for insertion in a coding keyway, for contact inserts HC-BB... / HC-A10-I-UT... / HC-A16-I-UT...



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Accessories

Coding bolt - HC-CB - 1772722



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

Crimping tool

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX CENTRUS 10S - 1213154



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 10 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

DIN rail mounting frame

DIN rail mounting frame - HC-CIF-B10-HFWL-PL - 1424335



HEAVYCON DIN rail mounting frame, for type B10 contact inserts

DIN rail mounting frame - HC-CIF-B06-24-BFAFL-PL - 1424338



DIN rail mounting frame, type: B6 - B24, for contact inserts

Docking frame

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Accessories

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

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

Additional products

Contact insert - HC-BB18-I-PT-F - 1014419

Accessories

Contact insert - HC-BB18-I-PT-M - 1014420



Contact insert, number of positions: 18+PE, size: B10, power contacts: 18, control contacts: 0, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

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