

Contact insert - HC-B 24-I-UT-M - 1648296

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HEAVYCON pin insert, B24 series, 24-pos., screw connection

Why buy this product

- For fast coding with plastic profile

Key Commercial Data

| | |
|--------------|--|
| Packing unit | 1 STK |
| GTIN |  4 046356 092425 |

Technical data

General

| | |
|---|--|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing of B24 type. Plug-in connections may only be operated only when there is no load/voltage. |
| Connection method | Screw connection |
| Tightening torque | 0.5 Nm ... 0.8 Nm |
| Screwdriver blade | 0.5 x 3.5 mm |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Number of positions | 24+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B24 |
| Connection in acc. with standard | IEC / EN |
| Conductor cross section | 0.5 mm ² ... 2.5 mm ² (Applies to stranded conductors with ferrules) |
| Connection cross section AWG | 20 ... 14 |
| Stripping length of the individual wire | 8 mm |
| Assembly instructions | Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles. |
| Connection | Connectors may only be actuated when there is no load/voltage. |

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Technical data

Ambient conditions

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

Material data

| | |
|--|---|
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PA |
| 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 | IEC / EN |
| | CSA |
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Flammability rating according to UL 94 | V0 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | 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

GL

Ex Approvals

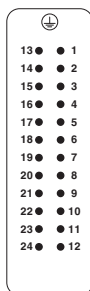
Approvals submitted

Approval details

GL

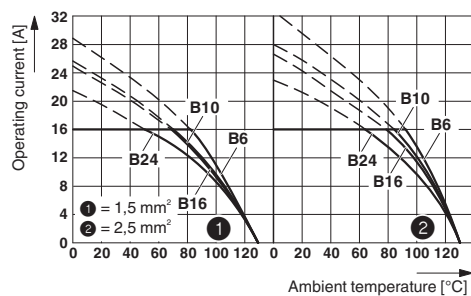
Drawings

Schematic diagram



Connector pin assignment, connection side

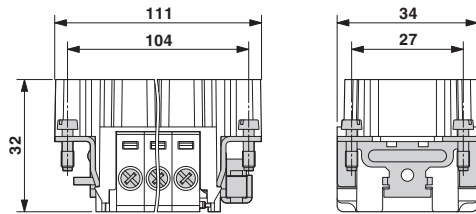
Diagram



Derating diagram

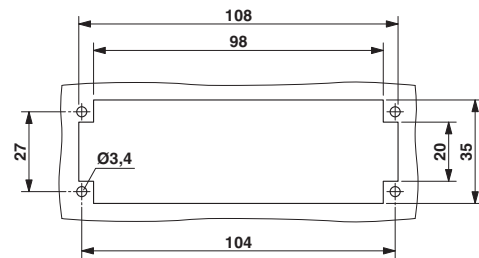
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Dimensional drawing



Male insert

Dimensional drawing



Mounting cutout when used without housing

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