

Contact insert - HC-B 24-I-UT-F - 1648306

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

Product Features

- satisfies DIN EN 45545-2 R22 / R23 / R24 in hazard levels HL1 / HL2 / HL3
- For fast coding with plastic profile
- For test pin 2 mm



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	130.0 g
Custom tariff number	85366990
Country of origin	China

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

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Technical data

General

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.

Ambient conditions

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

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
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	20 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

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Classifications

eCl@ss

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

UNSPSC

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

Approvals

Approvals

Approvals

GL / CSA / UL Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

GL

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Approvals

CSA	
mm ² /AWG/kcmil	22-14
Nominal current I _N	13 A
Nominal voltage U _N	600 V

UL Recognized	
mm ² /AWG/kcmil	14
Nominal current I _N	16 A
Nominal voltage U _N	600 V

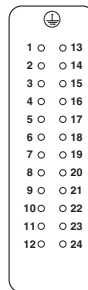
EAC	
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Drawings

Dimensional drawing

Female insert

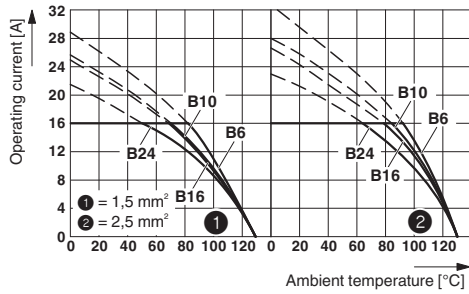
Schematic diagram



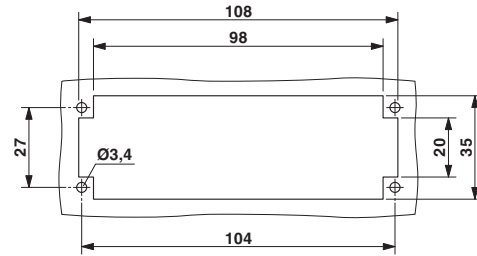
Connector pin assignment, connection side

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Diagram



Dimensional drawing



Mounting cutout when used without housing

Derating diagram