Contact insert - HC-B 24-I-CT-F - 1648348

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HEAVYCON female insert, B24 series, 24-pos., for crimp contacts

Product Features

- For fast coding with plastic profile

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	76.0 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B24 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply).
Connection method	Crimp connection
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 mm² ... 4 mm²
Connection cross section AWG	20 ... 12

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Technical data

General

Stripping length of the individual wire	7.5 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	For housing type B24. Connectors may only be inserted when there is no load/the power is switched off. Use a screwdriver to remove the crimp contacts. The opening for the screwdriver is next to the opening where the conductor is inserted.

Ambient conditions

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

Material data

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
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

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Classifications

eCl@ss

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

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

Ex Approvals

Approvals submitted

Approval details

CSA

mm²/AWG/kcmil	20-12

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Approvals

Nominal current IN	20 A
Nominal voltage UN	600 V

UL Recognized

mm²/AWG/kcmil	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

cUL Recognized

mm²/AWG/kcmil	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

EAC

EAC

GL

cULus Recognized

Drawings

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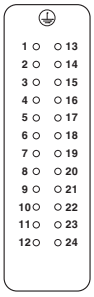
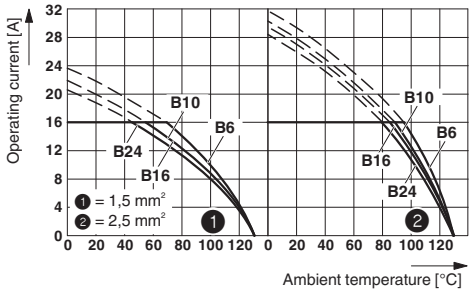
Schematic diagram



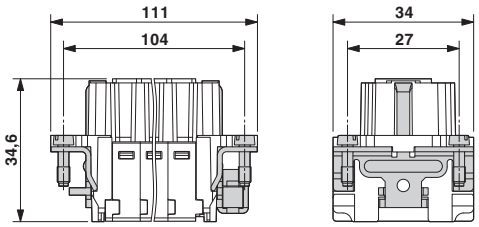
Connector pin assignment, connection side

Diagram



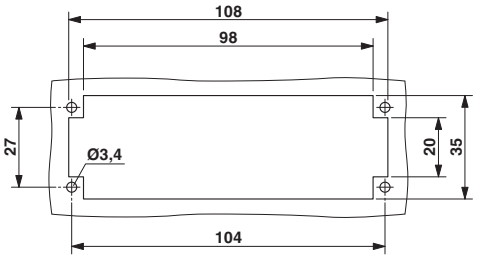
Derating diagram

Dimensional drawing



Female insert

Dimensional drawing



Mounting cutout when used without housing