

# Terminal adapter - HC-B 24-A-DT-PEL-F - 1648474

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HEAVYCON terminal adapter socket insert, B24 series, 24-pos., for the left side of the control cabinet, push-in connection



## Key Commercial Data

Packing unit	5 STK
GTIN	
GTIN	4046356092197
Weight per Piece (excluding packing)	172.200 g
Weight per piece (including packing)	179.780 g
Custom tariff number	85366990
Country of origin	China
Sales Key	D1 - Connectors

## Technical data

### Dimensions

Drill hole distance, horizontal	104 mm
Height	72.1 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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### Electrical characteristics

Note	For HEAVYCON-ADVANCE mounting flange and HEAVYCON panel mounting base of B24 type
Number of positions	24
Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

### Mechanical characteristics

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## Technical data

### Mechanical characteristics

Design	B24
Connection method	Push-in connection
Stripping length of the individual wire	10 mm (13 mm if ferrules are used)
Conductor cross section	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	22 ... 12

### General

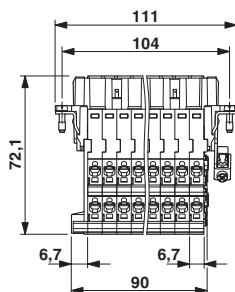
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
Degree of pollution	3
Overvoltage category	III
Flammability rating according to UL 94	V0
Assembly instructions	1) Insert ferrules. 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> with insulating collar, length 10 mm, stripping length 13 mm, 2) Screwdriver SZF0-0,4x2,5 (similar to DIN 5264)
Installation instructions	Connectors may be plugged in only when there is no load/voltage.

### 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

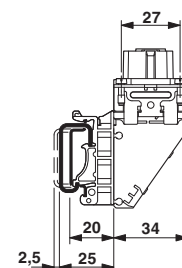
## Drawings

Dimensional drawing



Dimensional drawing

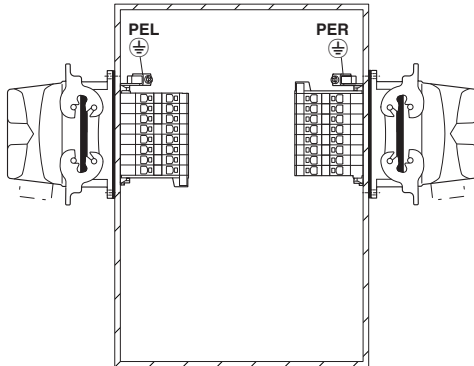
Dimensional drawing



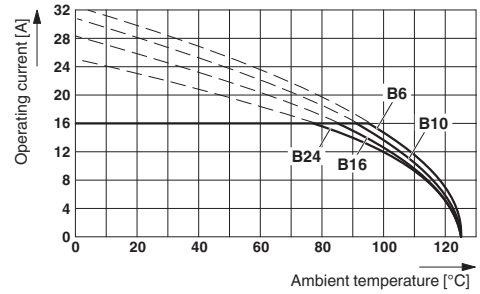
Dimensional drawing, side view

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Application drawing



Diagram



Derating diagram

Mounting position PE connection left/right (PEL/PER)

## Classifications

### eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
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	27440217

### ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121421

## Approvals

### Approvals

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


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## Approvals


Ex Approvals


### Approval details

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	013631_6233_01
mm <sup>2</sup> /AWG/kcmil		22-14	
Nominal current I <sub>N</sub>		13 A	
Nominal voltage U <sub>N</sub>		600 V	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
mm <sup>2</sup> /AWG/kcmil		22-14	
Nominal current I <sub>N</sub>		13 A	
Nominal voltage U <sub>N</sub>		600 V	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
mm <sup>2</sup> /AWG/kcmil		22-14	
Nominal current I <sub>N</sub>		13 A	
Nominal voltage U <sub>N</sub>		600 V	

EAC		7500651.22.01.00246
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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