

# Contact insert - HC-HV10-I-CT-F - 1405265


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HEAVYCON socket insert, for 830 V (III/3), with 10 N/O contacts and 2 switch contacts, crimp connection



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 063539
GTIN	4055626063539

## Technical data

### General

Note	For HEAVYCON-ADVANCE housing of B24 type and HEAVYCON housing of HV10 type, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	10+2+PE
No. of power contacts	10
No. of control contacts	2
Insertion/withdrawal cycles	≥ 500
Size	B24
Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> (power contacts) 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> (control contacts)
Connection cross section AWG	20 ... 12 (power contacts) 20 ... 12 (control contacts)
Stripping length of the individual wire	7.5 mm (Power contact) 7.5 mm (control contact)
Assembly instructions	Connectors may be operated only 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)
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### Material data

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)	830 V (power contacts)
	500 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	25 A (power contacts)
	16 A (control contacts)

### Standards and Regulations

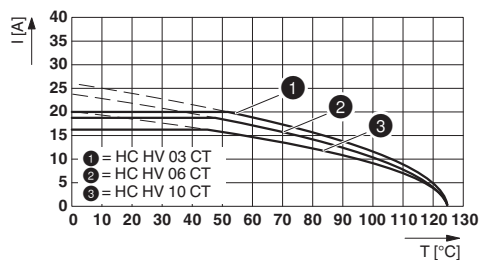
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

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

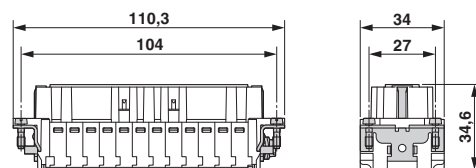
## Drawings

Diagram



Derating diagram

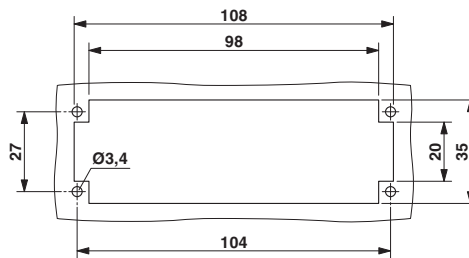
Dimensional drawing



Dimensional drawing

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Dimensional drawing



Mounting cutout when used without housing

## Approvals

Approvals

Approvals

GL / UL Recognized / EAC

Ex Approvals

## Approval details

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6196614 HH
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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>	E118976
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Nominal voltage UN	600 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	12

EAC		RU C- DE.AI30.B.01102
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