

HC-HV 3-ESTS - Contact insert



1773310

<https://www.phoenixcontact.com/us/products/1773310>

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HEAVYCON male insert, for 690 V(III/3), with 3 N/O contacts and 2 switching contacts, screw connection

The figure shows a combination of versions HC-HV -3-EBUC, -3-EBUS, -3-ESTC and -3-ESTS

Commercial data

Item number	1773310
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABG
GTIN	4017918037659
Weight per piece (including packing)	67.09 g
Weight per piece (excluding packing)	64.92 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For HEAVYCON-ADVANCE housing type B10 and HEAVYCON type HV3
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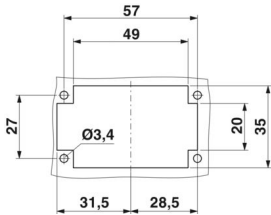
Product properties

Product type	Contact insert with a fixed no. of positions
Type	HV3
Number of positions	3
Connection profile	3+2+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	35.5 mm
Length	64 mm

Connection data

Connection technology

Connection technology	Screw connection
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Conductor connection

Conductor cross-section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Tightening torque	0.5 Nm
Stripping length of the individual wire	7 mm (N/O contacts) 7 mm (control contacts)

Electrical properties

Rated voltage (III/3)	400 V (Power contacts wire-ground)
	250 V control contacts
	690 V (Power contacts wire-ground)
Rated voltage for power contacts	400/690 V
Rated surge voltage	6 kV (N/O contacts)

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	4 kV (control contacts)
Rated current	16 A
Test voltage	3 kV AC

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

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

Environmental and real-life conditions

Ambient conditions

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

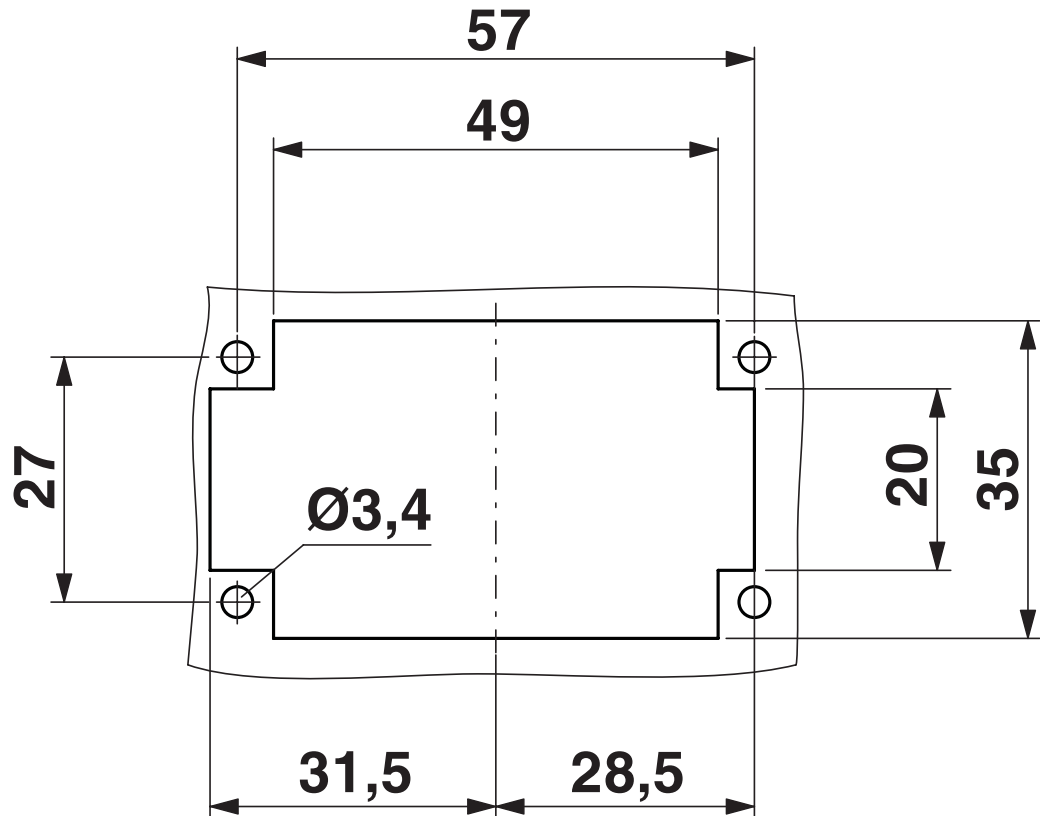
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

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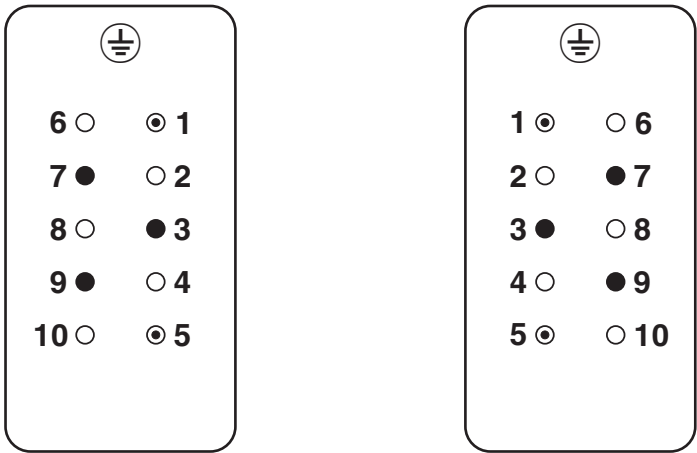
Drawings

Dimensional drawing



Male insert

Schematic diagram



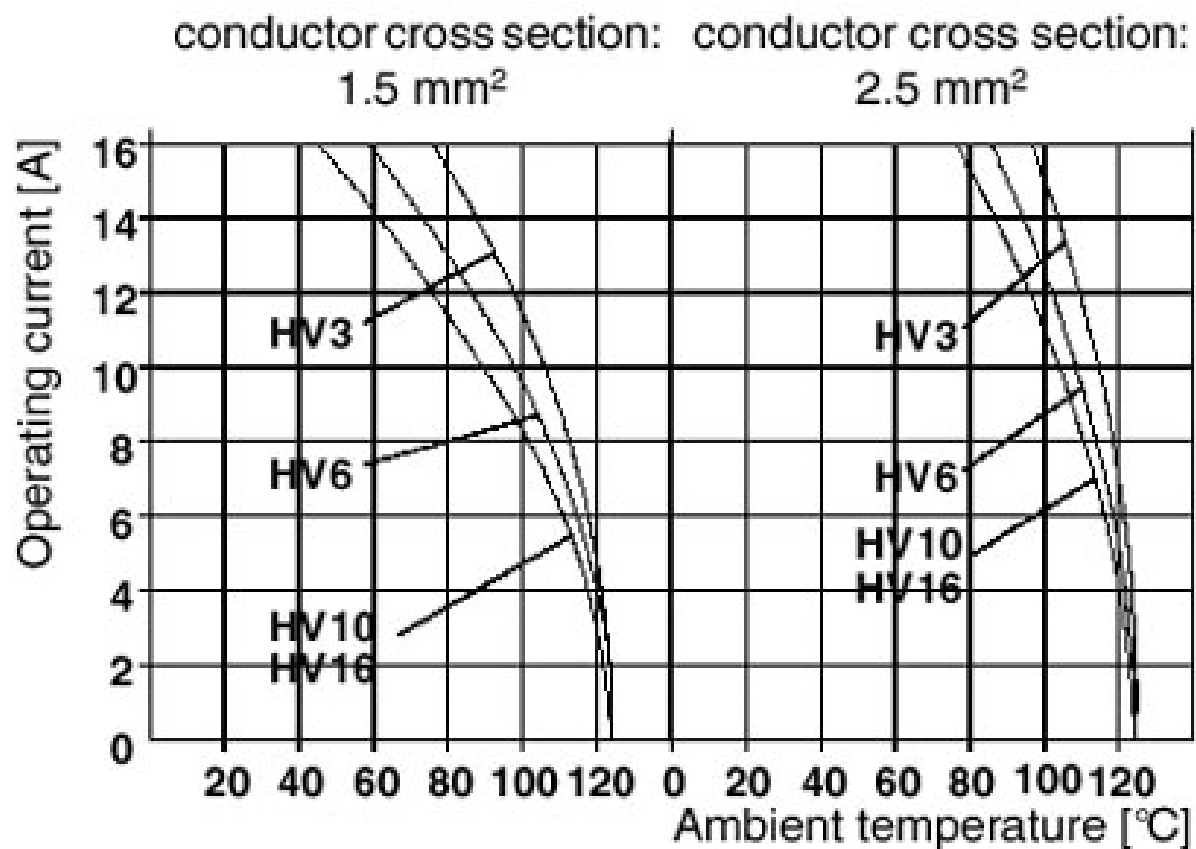
ST

- N/O contact
- ⊙ Switch contact
- without contact

BU

View termination side

Diagram



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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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