

HC-HV 6-ESTS - Contact insert



1773352

<https://www.phoenixcontact.com/us/products/1773352>

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HEAVYCON male insert, for 690 V(III/3), with 6 N/O contacts and 2 switching contacts, screw connection

Commercial data

Item number	1773352
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABG
Catalog page	Page 201 (PC-2005)
GTIN	4017918103675
Weight per piece (including packing)	88.89 g
Weight per piece (excluding packing)	85.96 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For HEAVYCON-ADVANCE housing type B16 and HEAVYCON type HV6
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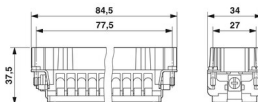
Product properties

Type	HV6
Product type	Contact insert with a fixed no. of positions
Number of positions	6
Connection profile	6+2+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	35.5 mm
Length	84.5 mm

Connection data

Connection technology

Connection technology	Screw connection
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Conductor connection

Conductor cross section	0.5 mm ² ... 2.5 mm ²
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) 4 kV (control contacts)
Rated current	16 A

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Test voltage	3 kV AC
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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

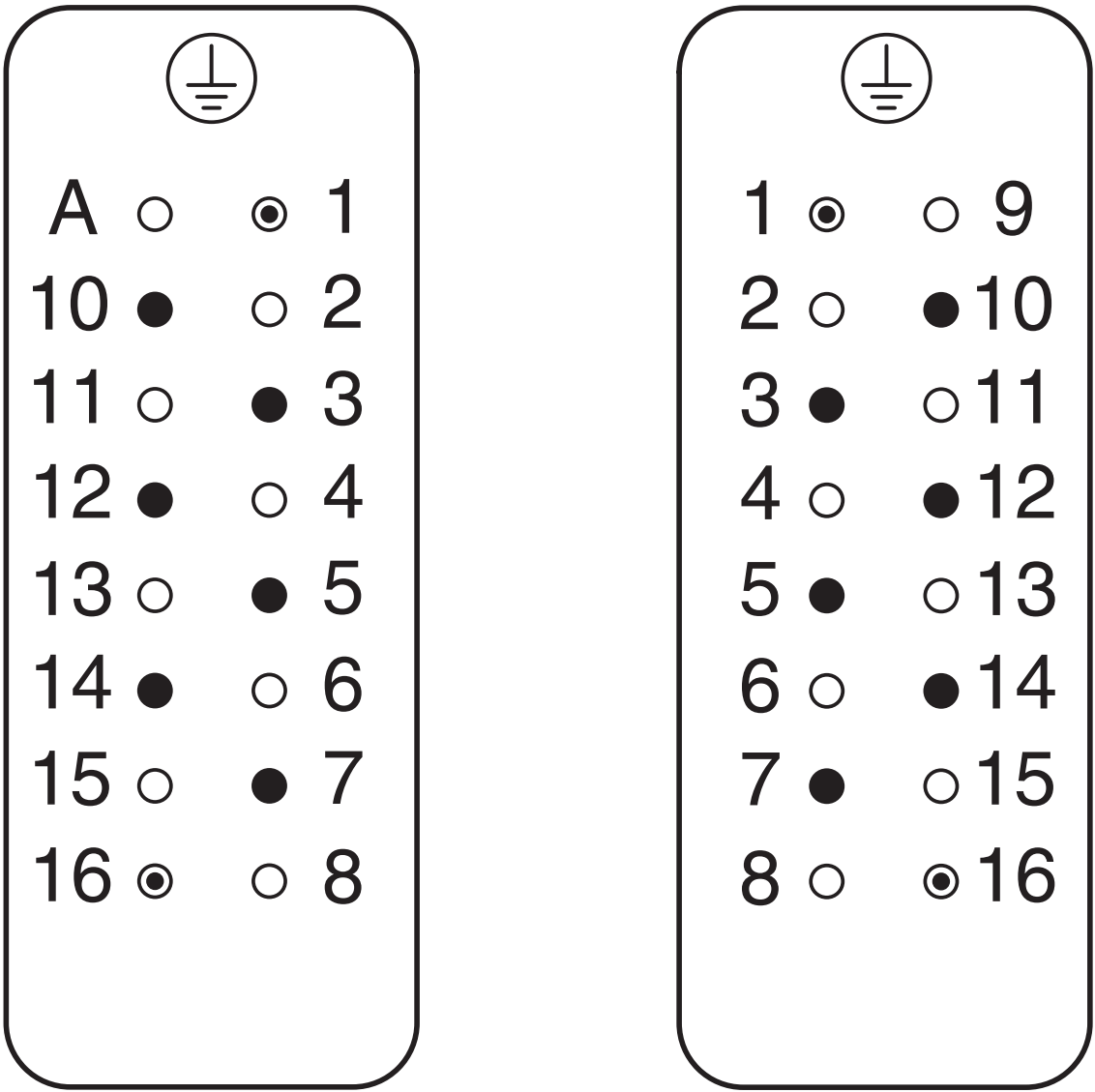
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

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

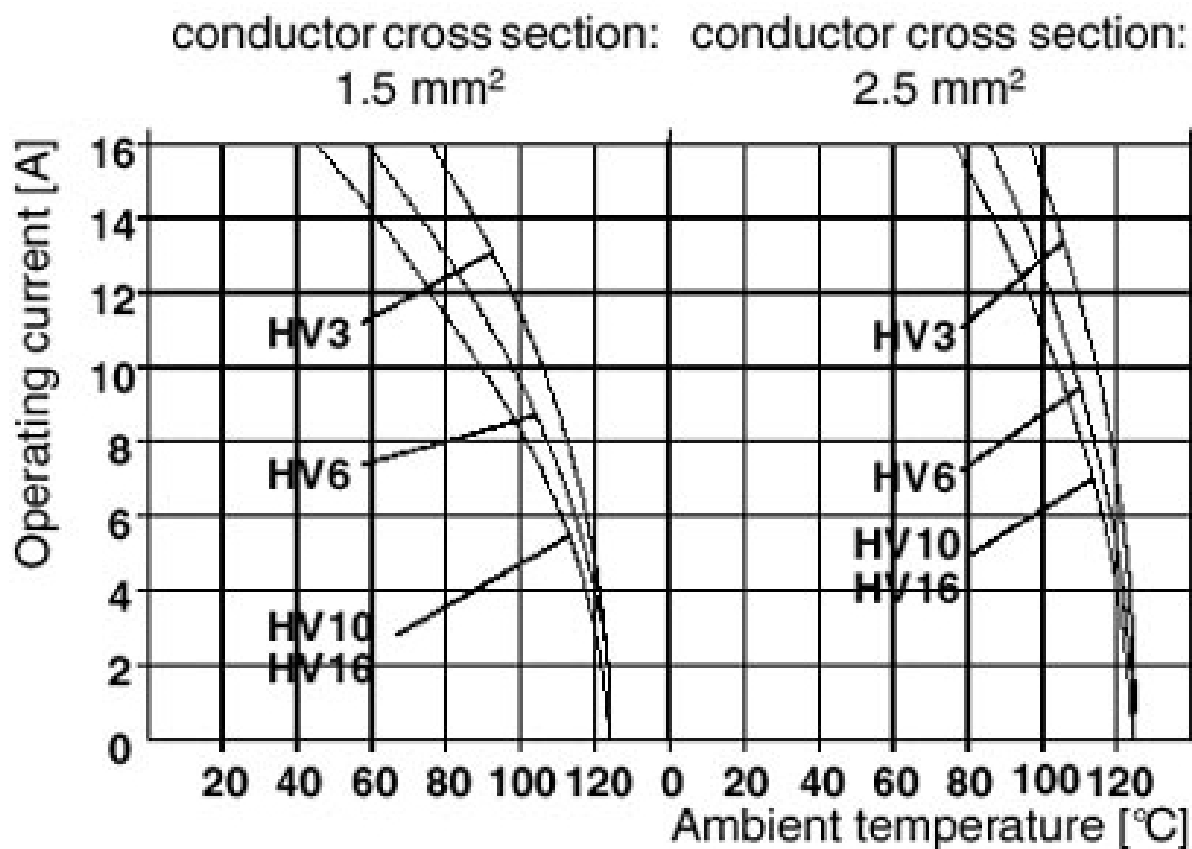
Drawings

Schematic diagram



View termination side

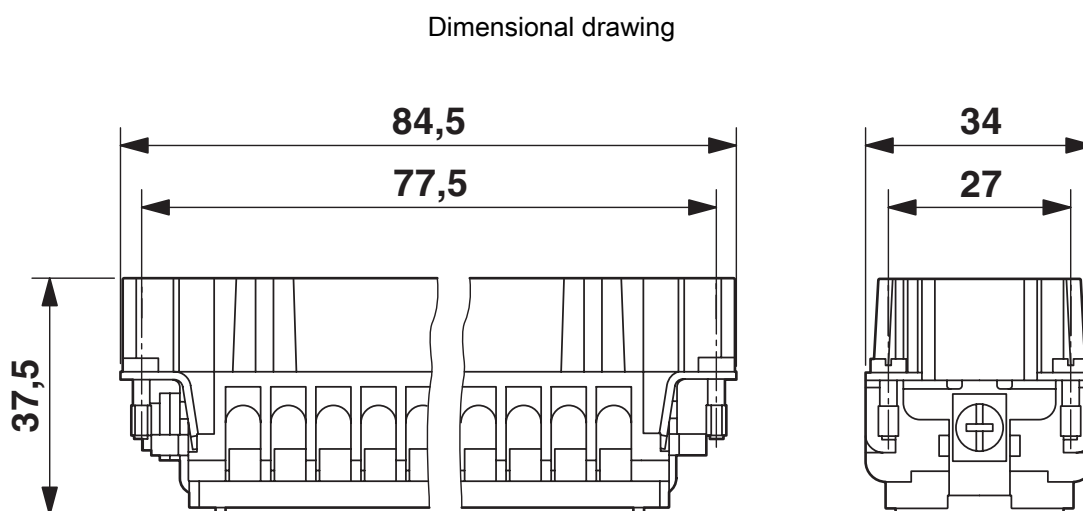
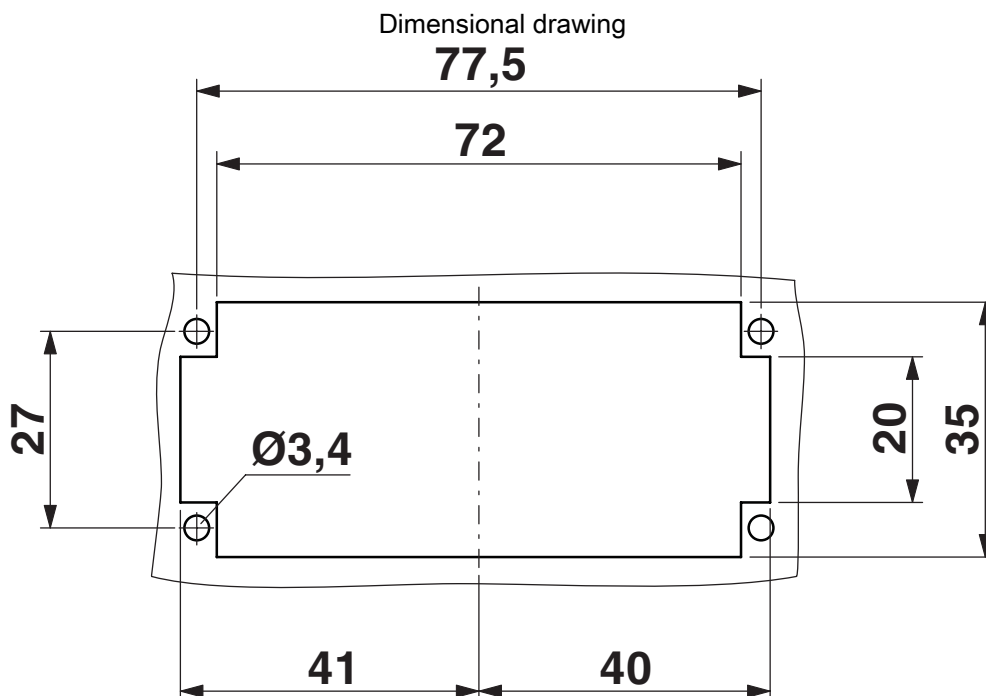
Diagram



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Male insert

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440223

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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

HC-B-3PE - PE multiplier

1644326

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PE multiplier, for 3 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts



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