

HC-HS 6-ESTS - Contact insert



1773129

<https://www.phoenixcontact.com/us/products/1773129>

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HEAVYCON male insert, HS6 series, 6-pos., screw connection



Commercial data

Item number	1773129
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABI
Catalog page	Page 459 (C-4-2013)
GTIN	4017918037635
Weight per piece (including packing)	97.36 g
Weight per piece (excluding packing)	96 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For housing HC-B16
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Mounting

Assembly instructions	Connectors may be operated only when there is no load/voltage.
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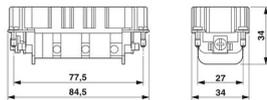
Product properties

Type	B16 B32
Product type	Contact insert with a fixed no. of positions
Number of positions	6
Connection profile	6+PE
Contact numbering	1 - 6
Series	HC-HS

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34 mm
Length	84.5 mm
Drill hole distance, horizontal	77.5 mm

Connection data

Connection technology

Connection technology	Screw connection
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross section	0.5 mm ² ... 6 mm ²
Connection cross section AWG	20 ... 10
Tightening torque	1.2 Nm
Stripping length of the individual wire	10 mm

Electrical properties

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Rated voltage (III/3)	500 V
Rated voltage for power contacts	400/690 V
Rated surge voltage	6 kV
Rated current	35 A

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
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512

HC-HS 6-ESTS - Contact insert

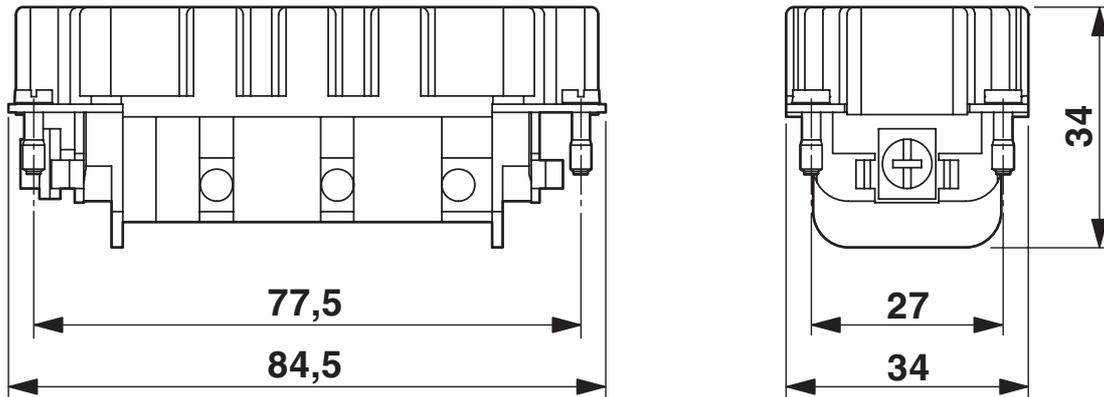


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Drawings

Dimensional drawing

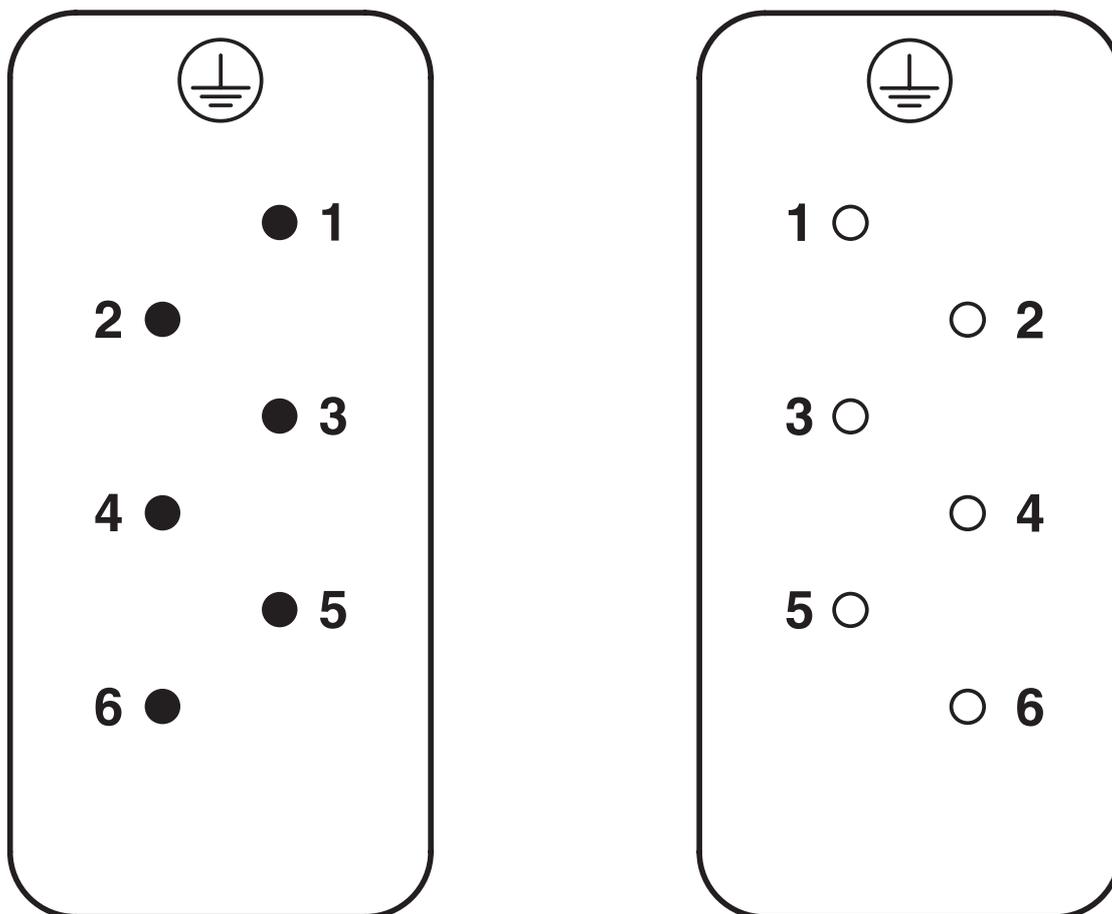


Male insert

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Schematic diagram



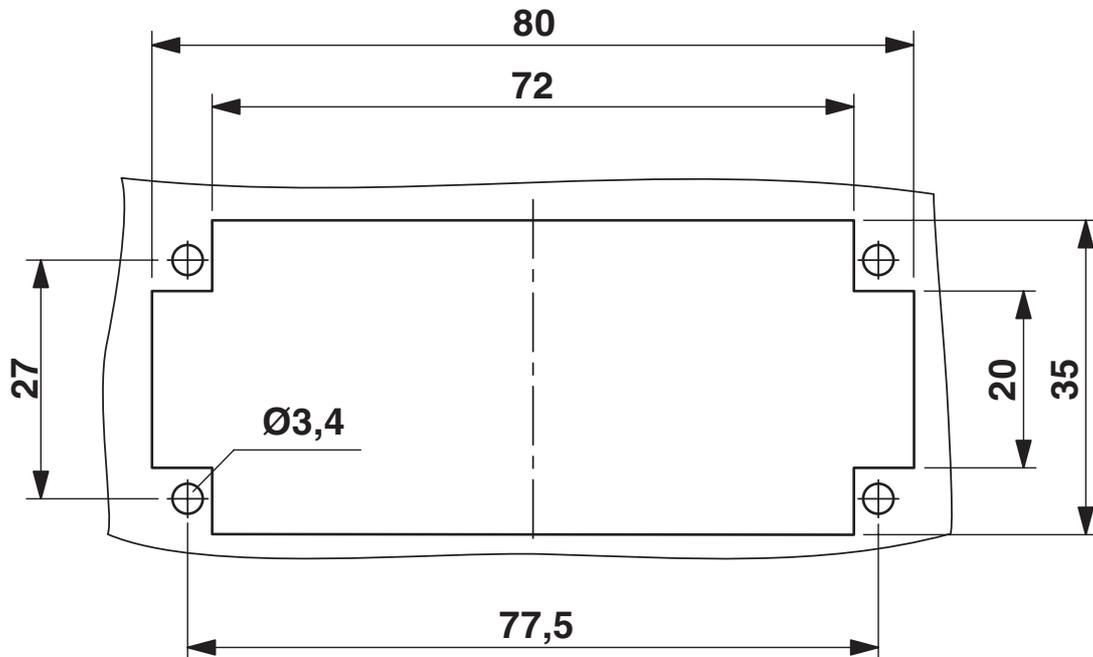
Connector pin assignment, connection side

HC-HS 6-ESTS - Contact insert

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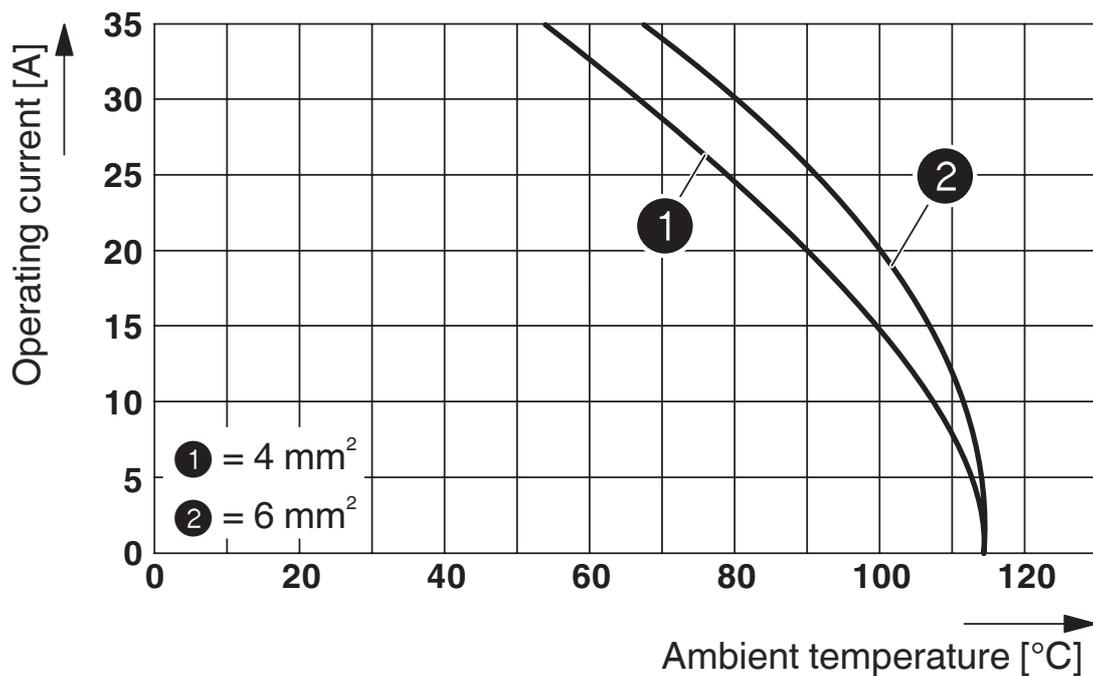
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Dimensional drawing



Mounting cutout

Diagram



Derating diagram: HC-HS...S series

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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: unlimited = EFUP-e No hazardous substances above threshold values
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