

HC-HV 16-ESTS - Contact insert

1773433

<https://www.phoenixcontact.com/us/products/1773433>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



HEAVYCON male insert, for 690 V(III/3), with 16 N/O contacts and 2 switching contacts, screw connection

The figure shows a combination of versions HC-HV -10-EBUC, -10-EBUS, -10-ESTC and -10-ESTS

Commercial data

Item number	1773433
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABG
GTIN	4017918134365
Weight per piece (including packing)	119.66 g
Weight per piece (excluding packing)	102.19 g
Customs tariff number	85366990
Country of origin	DE

HC-HV 16-ESTS - Contact insert

1773433

<https://www.phoenixcontact.com/us/products/1773433>



Technical data

Notes

General	For HEAVYCON-ADVANCE housing of B24 type and HEAVYCON housing of HV10 type The switching contacts are 2 mm lagging.
---------	---

Mounting

Assembly note	When using a ferrule, the wire protection in the terminal point must be removed and a 10 mm long ferrule must be used.
---------------	--

Product properties

Product type	Contact insert with a fixed no. of positions
Type	HV16
Number of positions	16
Connection profile	16+2+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Width	34 mm
Height	34.6 mm
Length	111 mm
Drill hole distance, horizontal	104 mm

Mechanical characteristics

Minimum housing height	98 mm
Contact diameter	2.5 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 ... 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; with ferrule inserts use inserts of 10 mm length.) 7 mm (control contacts)

Electrical properties

400 V (Power contacts wire-ground)

HC-HV 16-ESTS - Contact insert



1773433

<https://www.phoenixcontact.com/us/products/1773433>

Rated voltage (III/3)	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
Test voltage	3 kV AC

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

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)
---------------------------------	--

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

HC-HV 16-ESTS - Contact insert

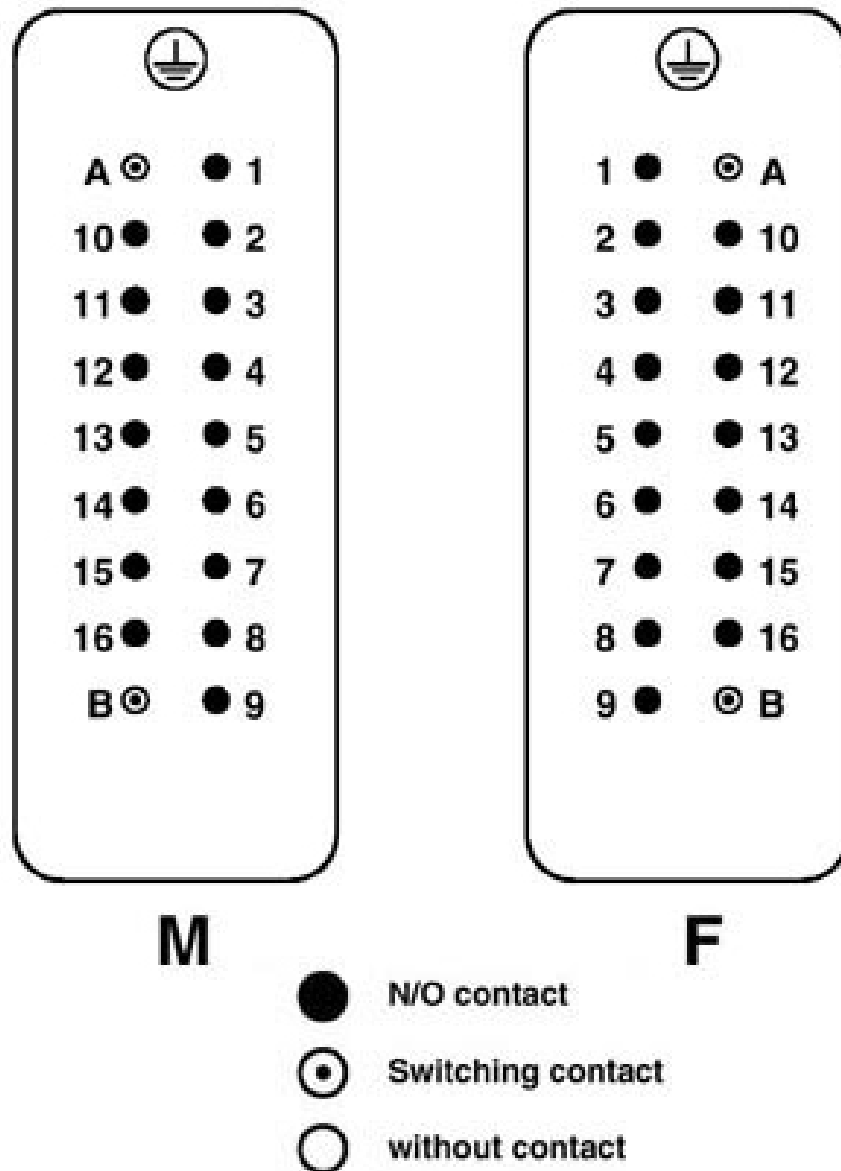
1773433

<https://www.phoenixcontact.com/us/products/1773433>



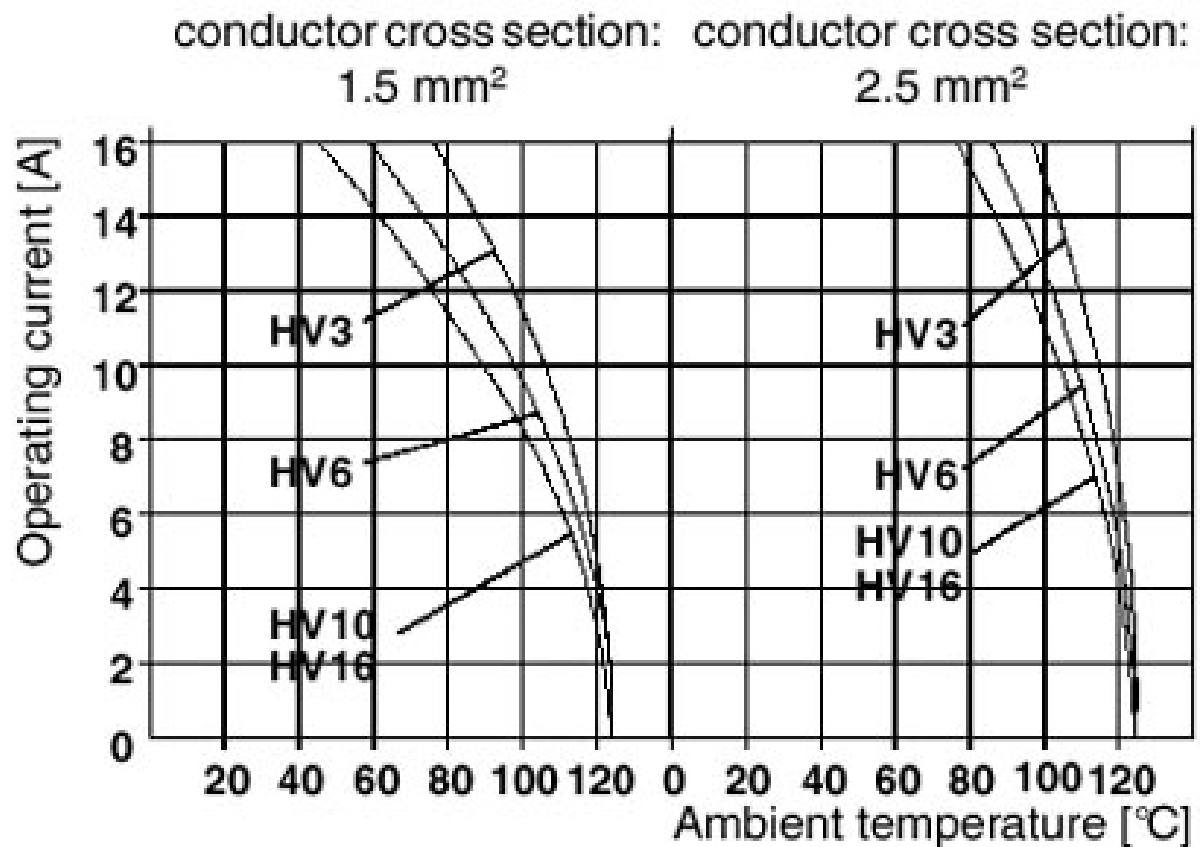
Drawings

Schematic diagram



View termination side

Diagram



HC-HV 16-ESTS - Contact insert

1773433

<https://www.phoenixcontact.com/us/products/1773433>



Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

HC-HV 16-ESTS - Contact insert



1773433

<https://www.phoenixcontact.com/us/products/1773433>

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

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

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com