

Contact insert - HC-COM- 8-ESTC - 1408481


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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



HEAVYCON crimp contact insert for compact plastic housing; male connector version; 8-pos. + PE



Key commercial data

Packing unit	2 pc
Minimum order quantity	2 pc
GTIN	 4 046356 618199
Weight per Piece (excluding packing)	18.05 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For crimp contacts CK2,5-ED...
Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Number of positions	8+PE
No. of power contacts	8
Insertion/withdrawal cycles	≥ 500
Type	COM
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C (including heating up of contacts)
---------------------------------	--

Material data

Contact insert - HC-COM- 8-ESTC - 1408481

Technical data

Material data

Inflammability class according to UL 94	V0
Seal material	NBR
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Electrical characteristics

Rated voltage for power contacts	500
Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205

ETIM

ETIM 4.0	EC000437
ETIM 5.0	EC000437

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Contact insert - HC-COM- 8-ESTC - 1408481

Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
mm ² /AWG/kcmil	20-12
Nominal voltage UN	600 V

cUL Recognized	
mm ² /AWG/kcmil	20-12
Nominal voltage UN	600 V

EAC

cULus Recognized	
------------------	--

Accessories

Accessories

Assembly tool

Contact removal tool - CK2,5-EWZ - 1662722



Contact removal tool, for turned CK 2,5... contacts

Crimp contact

Contact insert - HC-COM- 8-ESTC - 1408481

Accessories

Crimp contact - CK2,5-ED-0,50ST AG - 1663572



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK2,5-ED-0,75ST AG - 1663585



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK2,5-ED-1,00ST AG - 1663598



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK2,5-ED-1,50ST AG - 1663608



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50ST AG - 1663611



Turned 2.5 crimp contact, individual male contact, core diameter 2.5 mm², silver-plated

Contact insert - HC-COM- 8-ESTC - 1408481

Accessories

Crimp contact - CK2,5-ED-3,00ST AG - 1663624



Turned 2.5 crimp contact, individual male contact, core diameter 3.00 mm², silver-plated

Crimp contact - CK2,5-ED-4,00ST AG - 1663637



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK2,5-ED-0,50ST AU - 1674804



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK2,5-ED-1,00ST AU - 1674781



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50ST AU - 1674778



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

Contact insert - HC-COM- 8-ESTC - 1408481

Accessories

Crimp contact - CK2,5-ED-2,50ST AU - 1674817



Turned 2.5 crimp contact, individual male contact, core diameter 2.5 mm², gold-plated

Crimp contact - CK2,5-ED-4,00ST AU - 1674794



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², gold-plated

Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

- CK2,5-ED-0,37ST AG - 1585650



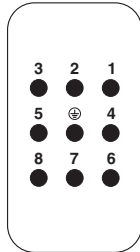
- CK2,5-ED-0,37ST AU - 1585663



Drawings

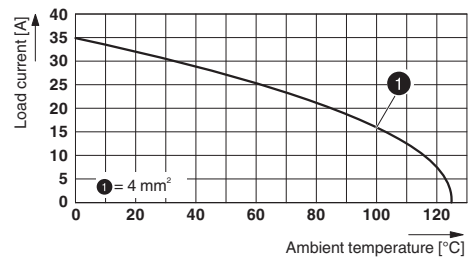
Contact insert - HC-COM- 8-ESTC - 1408481

Schematic diagram



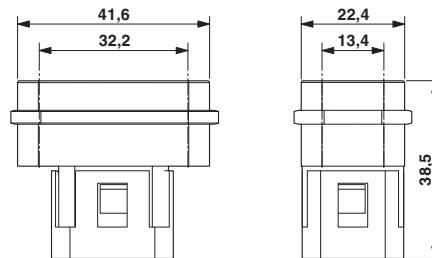
Connector pin assignment, connection side

Diagram



Derating diagram for 4 mm²

Dimensioned drawing



HC-COM-8-ESTC dimensional drawing