

Contact insert - HC-COM- 4/2-ESTC - 1408504

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HEAVYCON crimp contact insert for compact plastic housing; pin version; 4-pos. + PE supply circuit, 2-pos. control circuit

Key commercial data

package_quantity	2
GTIN	4046356618212

Technical data

General

Note	For crimp contacts CK4.0-ED.. (control circuit), CK1.6-ED...
Connection method	Signal Crimp connection (Signal contacts)
Connection method	Power Crimp connection (power contacts)
Pollution degree	3
Surge voltage category	III
Number of positions	4+2+PE
No. of power contacts	4
No. of control contacts	2
Insertion/withdrawal cycles	≥ 500
Design	COM
Connection in acc. with standard	IEC / EN
Conductor cross section	Signal 0.14 mm ² ... 2.5 mm ² (control contacts)
Conductor cross section	Power 1.5 mm ² ... 6 mm ² (power contacts)
Connection cross section AWG	16 ... 10 (power contacts)
Connection cross section AWG	26 ... 14 (control contacts)
Stripping length of the individual wire	9 mm (1.5 mm ² - 2.5 mm ² control circuit)
Stripping length of the individual wire	9.6 mm (4 mm ² - 6 mm ² control circuit)
Stripping length of the individual wire	8 mm (Control circuit)
Stripping length of the individual wire	6 mm (2.5 mm ² control circuit)
Assembly instructions	Maximum insulation diameter for power circuit

Ambient conditions

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

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Technical data

Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag (alternatively Au)
Contact carrier material	PC

Electrical characteristics

Rated voltage for power contacts	400/690 V
Rated voltage (III/3)	250 V (control contacts)
Rated voltage (III/3)	400 V (Phase-ground power contacts)
Rated voltage (III/3)	690 V (Phase-phase power contacts)
Rated surge voltage	Power 6 kV (Phase-phase power contacts)
Rated surge voltage	Signal 4 kV (control contacts)
Rated current	40 A (power contacts)
Rated current	10 A (control contacts)

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	27440209

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

UL Recognized / cUL Recognized / cULus Recognized /

Approval details

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approvals

UL Recognized	
Nominal voltage UN	250 V
Nominal current IN	15 A
mm ² /AWG/kcmil	22-14

cUL Recognized	
Nominal voltage UN	250 V
Nominal current IN	10.5 A
mm ² /AWG/kcmil	22-14

cULus Recognized	
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accessories

Crimping tool

CRIMPFOX-TC 10 - 1212114



CRIMPFOX-TC 4 - 1212113



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accessories

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



Assembly tool

CK4,0-EWZ - 1662735



CK2,5-EWZ - 1662722



Fiber optics contact

CK1,6-ED-ST-POF - 1884995



Crimp contact

CK4,0-ED-1,50ST AG - 1663239



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accessories

CK4,0-ED-2,50ST AG - 1663242



CK4,0-ED-4,00ST AG - 1663255



CK4,0-ED-6,00ST AG - 1663268



CK1,6-ED-0,37ST AG - 1663336



CK1,6-ED-0,50ST AG - 1663349



CK1,6-ED-0,75ST AG - 1663352



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accessories

CK1,6-ED-1,00ST AG - 1663365



CK1,6-ED-1,50ST AG - 1663378



CK1,6-ED-2,50ST AG - 1663381



CK1,6-ED-0,37ST AU - 1674901



CK1,6-ED-0,50ST AU - 1672453



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accessories

CK1,6-ED-0,75ST AU - 1674914



CK1,6-ED-1,00ST AU - 1674888



CK1,6-ED-1,50ST AU - 1674875



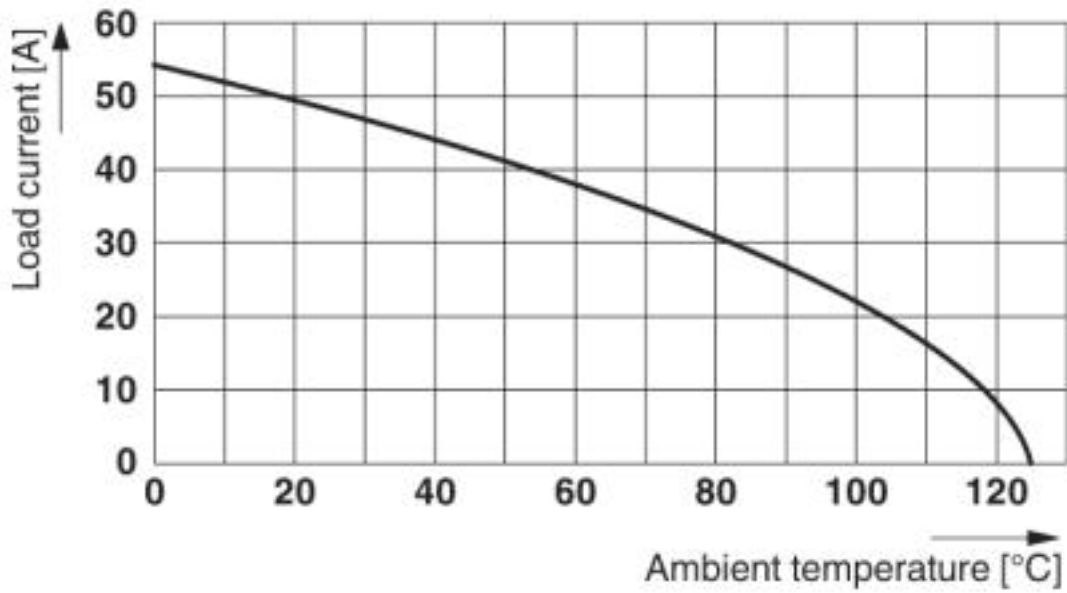
CK1,6-ED-2,50ST AU - 1674927



Drawings

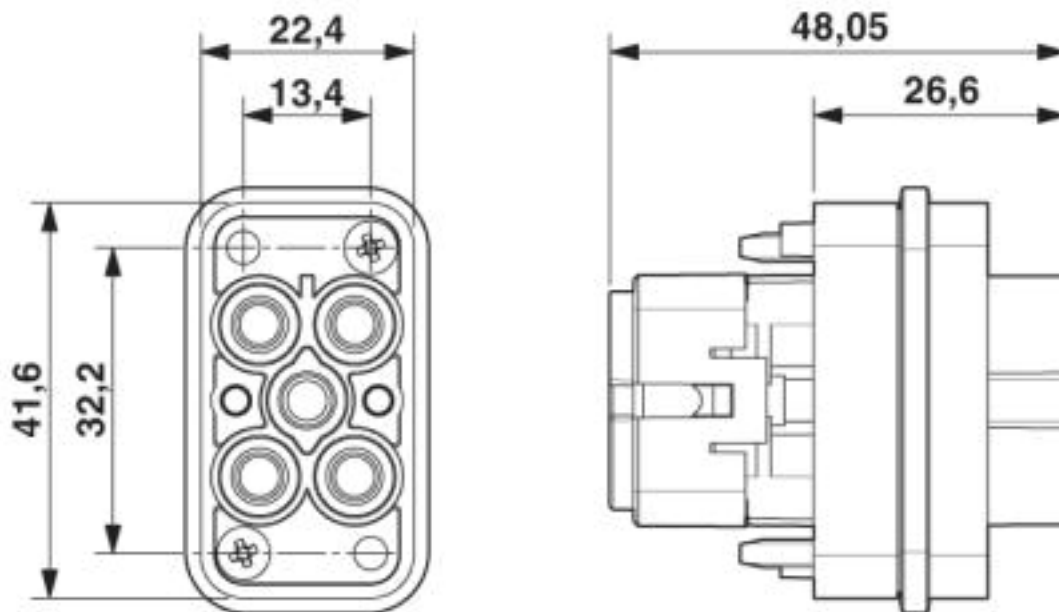
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Diagram



Derating diagram power circuit for 6 mm² (control current 10 A)

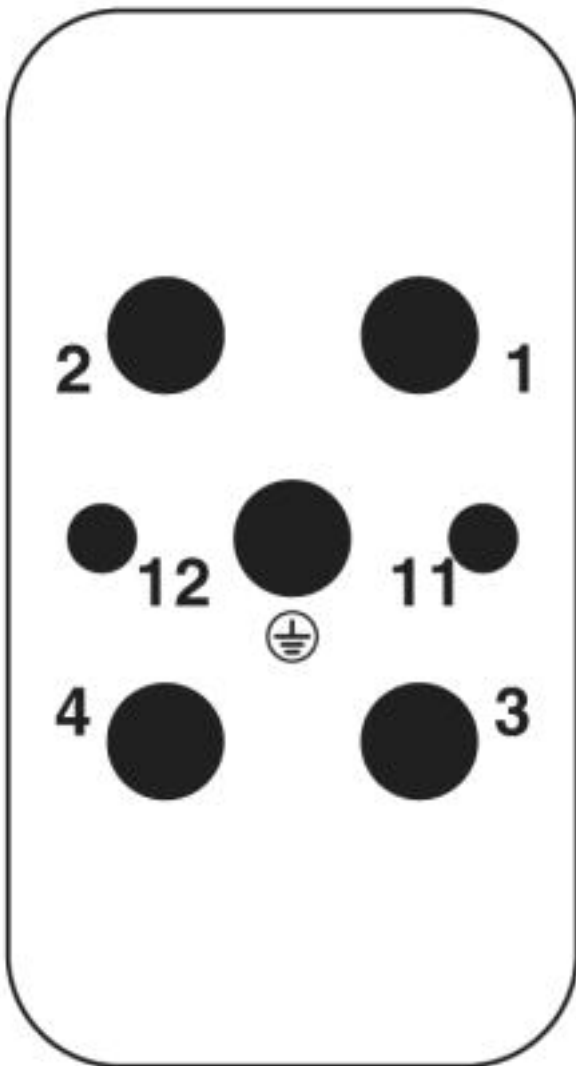
Dimensioned drawing



HC-COM-4/2-ESTC dimensional drawing

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Schematic diagram



Connector pin assignment, connection side

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