

Contact insert - HC-K 6/36-ESTC - 1636376

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HEAVYCON male insert, K6/36 series, for 6 power and 36 control contacts, crimp connection

Key commercial data

package_quantity	1
GTIN	4046356011518

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of type B16/B32, power contacts: CK 4,0-ED, control contacts: CK 1,6-ED (crimp contacts not supplied as standard)
Connection method	Crimp connection (power contacts)
Connection method	Crimp connection (control contacts)
Pollution degree	3
Surge voltage category	III
Number of positions	6+36+PE
No. of power contacts	6
No. of control contacts	36
Insertion/withdrawal cycles	≥ 500
Design	B16
Conductor cross section	1.5 mm ² ... 6 mm ² (power contacts)
Conductor cross section	0.14 mm ² ... 2.5 mm ² (control 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 (Power contacts, with a cross section of 1.5 mm ² ... 2.5 mm ²)
Stripping length of the individual wire	8 mm (Control contacts, with a cross section of 0.14 mm ² ... 1.5 mm ²)
Stripping length of the individual wire	9.5 mm (power contacts, with a cross section of 4 mm ² ... 6 mm ²)
Stripping length of the individual wire	6 mm (Control contacts, with a cross section of 2.5 mm ²)
Wire diameter including insulation	5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Material data

Inflammability class according to UL 94	V0
Contact material	Cu 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 (III/3)	690 V (power contacts)
Rated voltage (III/3)	160 V (control contacts)
Rated surge voltage	8 kV (power contacts)
Rated surge voltage	2.5 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 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

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

approvals

CSA / UL Recognized / GOST /

Approval details

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approvals

CSA	
Nominal voltage UN	600 V
Nominal current IN	40 A
mm ² /AWG/kcmil	13-9

UL Recognized	
Nominal voltage UN	600 V
Nominal current IN	
mm ² /AWG/kcmil	

GOST	
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accessories

Fiber optics contact

CK1,6-ED-ST-POF - 1884995



Crimp contact

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



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accessories

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



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



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



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accessories

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



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



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accessories

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



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



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



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



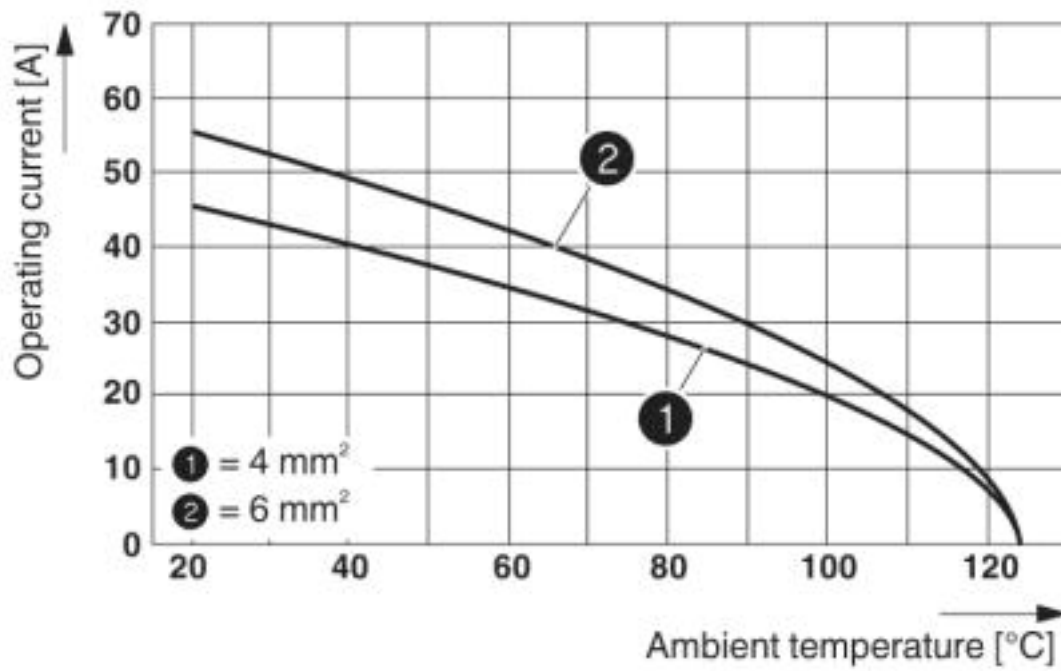
CK4,0-ED-10,00ST AG - 1586198



Drawings

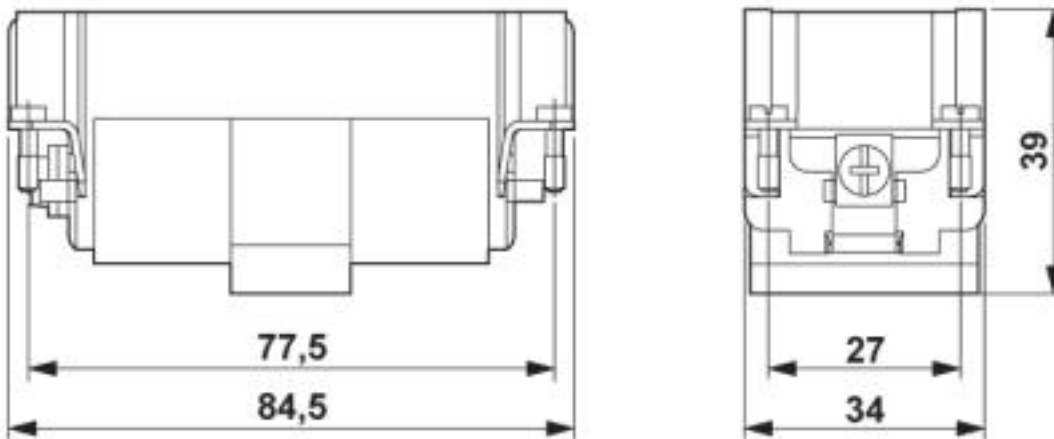
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Diagram



Derating curve

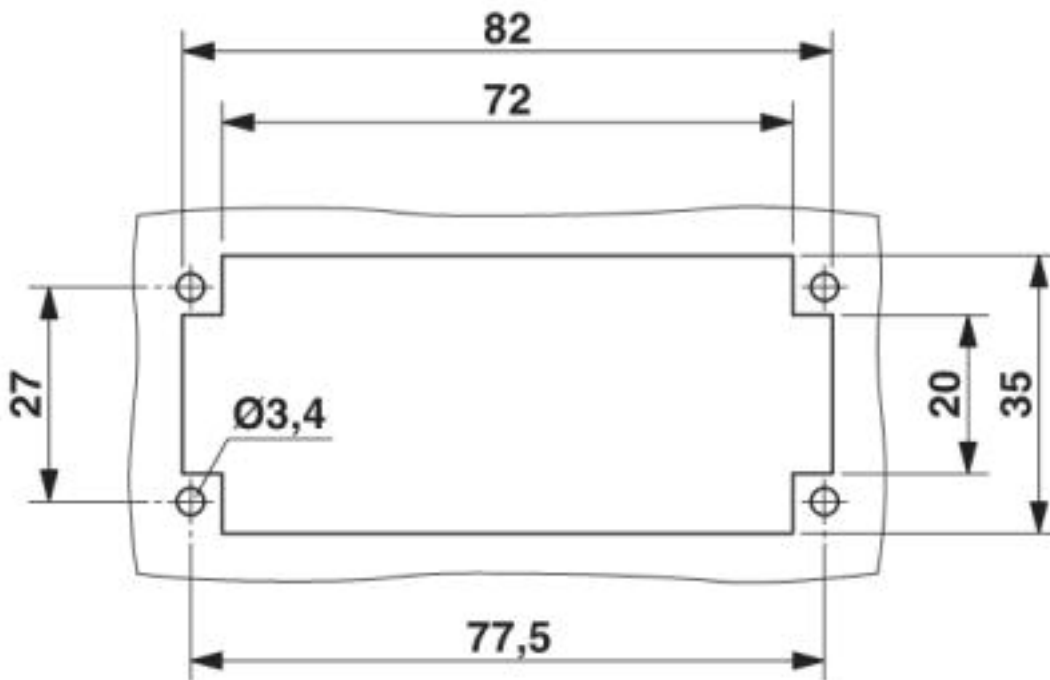
Dimensioned drawing



Dimensional drawing

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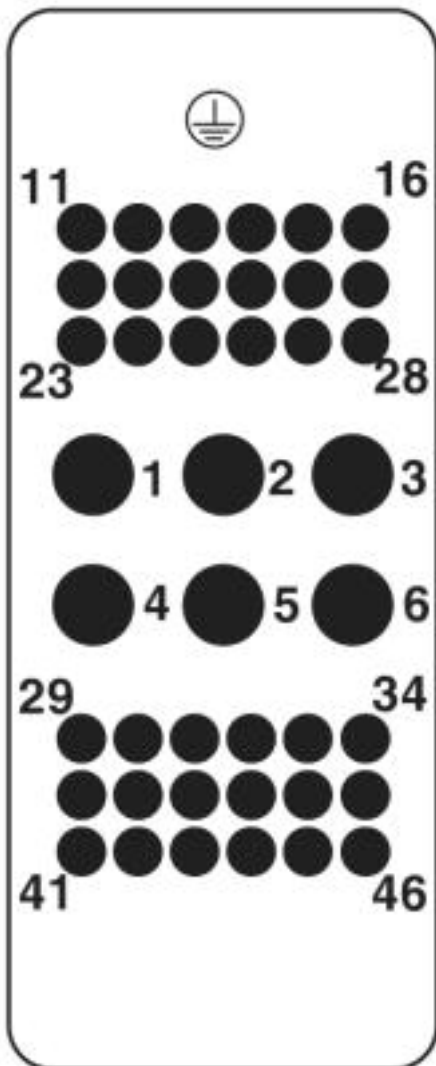
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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