



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Contact insert - DC-B 6-IB-7X4-PCB- 90 - 1602180

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DUPLICON, panel mounting contact insert, 6 x 4 mm² + PE, 400/690 V, 25 A, 90° PCB connection, type B6, IP20 protection



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	49.44 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Ambient conditions

Degree of protection	IP20, touch proof
Ambient temperature (operation)	-40 °C ... 100 °C

Electrical characteristics

Rated voltage (III/3)	400 V (L-PE)
	690 V (L-L)
Rated surge voltage	6 kV
Rated current	25 A
Surge voltage category	III
Pollution degree	3

Material data

Contact material	Cu
Contact surface material	Ag
Contact carrier material	PA

General

Contact insert - DC-B 6-IB-7X4-PCB- 90 - 1602180

Technical data

General

Design	DC-B6
Color	light gray
Insertion/withdrawal cycles	≥ 100
Number of positions	6

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

Approvals

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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / cULus Recognized

Ex Approvals

Contact insert - DC-B 6-IB-7X4-PCB- 90 - 1602180

Approvals

Approvals submitted

Approval details

UL Recognized 	
mm²/AWG/kcmil	12
Nominal current I _N	25 A
Nominal voltage U _N	600 V

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I _N	25 A
Nominal voltage U _N	690 V

cUL Recognized 	
mm²/AWG/kcmil	12
Nominal current I _N	25 A
Nominal voltage U _N	600 V

cULus Recognized 	
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Accessories

Accessories

Coding element

Contact insert - DC-B 6-IB-7X4-PCB- 90 - 1602180

Accessories

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

Mounting material

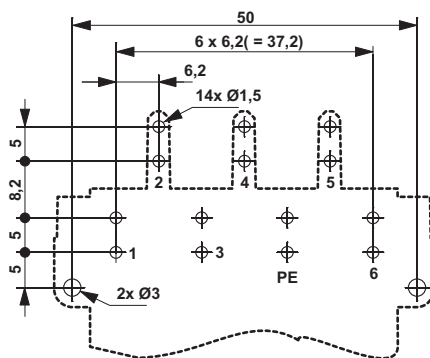
Screw - DC-PCB-M3X20 - 1602407



DUPLICON, M3 screw, V2A, for fastening the contact inserts for PCB connection in the panel mounting base, 20 mm long with locking washer, steel, anti-corrosive

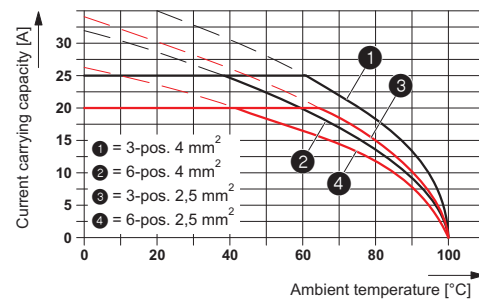
Drawings

Drilling diagram



Drilling diagram: DC-...PCB-90

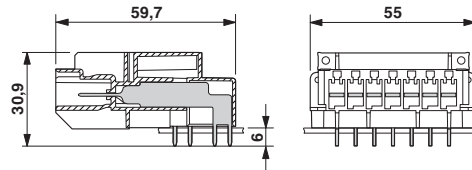
Diagram



Derating diagram

Contact insert - DC-B 6-IB-7X4-PCB- 90 - 1602180

Dimensioned drawing



Dimensional drawing