



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!



Contact us

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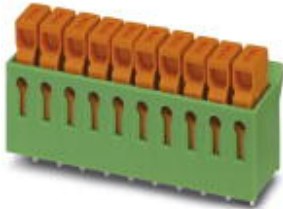
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PCB terminal block - IDC 0,3/ 6-3,81 - 1706219

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PCB terminal block, Nominal current: 5 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 6, Connection method: Insulation displacement connection QUICKON, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 10-position version of the product

Why buy this product

- The IDC range is suitable for cables with PVC and PE insulation
- Tool-free connection of insulated conductors in a short assembly time
- PCB terminal block with fast insulation displacement connection technology and 3.81 mm pitch
- With a limit frequency of over 100 MHz, the IDC range meets the quality requirements of CAT5 according to EN 50173 and ISO/IEC 11801



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 146 (CC-2011)
GTIN	 4 017918 116712
Custom tariff number	85369010
Country of origin	POLAND

Technical data

Dimensions / positions

Length	10 mm
Pitch	3.81 mm
Dimension a	19.05 mm
Number of positions	6
Pin dimensions	1 x 0,4 mm
Hole diameter	1.3 mm

Technical data

Range of articles	IDC 0,3
Insulating material group	I

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Technical data

Technical data

Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	5 A
Nominal cross section	0.34 mm ²
Maximum load current	5 A (with 0.34 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	5 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	5 A

Connection data

Conductor cross section solid min.	0.13 mm ²
Conductor cross section solid max.	0.34 mm ²
Conductor cross section stranded min.	0.22 mm ²
Conductor cross section stranded max.	0.34 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	22
Minimum AWG according to UL/CUL	28
Maximum AWG according to UL/CUL	22

Classifications

eclass

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401

etim

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

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Classifications

unspsc

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals


Approvals


CSA / UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized


Ex Approvals

Approvals submitted

Approval details

CSA 		
	B	D
mm ² /AWG/kcmil	28-22	28-22
Nominal current I _N	5 A	5 A
Nominal voltage U _N	300 V	300 V

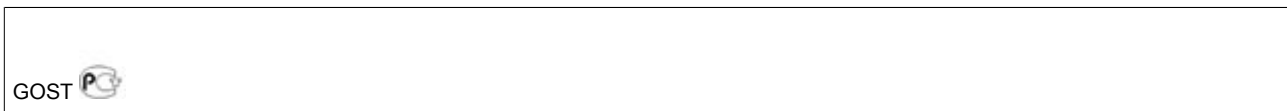
UL Recognized 		
	B	D
mm ² /AWG/kcmil	28-22	28-22
Nominal current I _N	5 A	5 A
Nominal voltage U _N	250 V	300 V

cUL Recognized 		
	B	D
mm ² /AWG/kcmil	28-22	28-22

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Approvals

	B	D
Nominal current I _N	5 A	5 A
Nominal voltage U _N	250 V	300 V



Accessories

Accessories

Marking

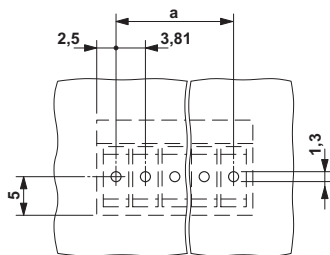
Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



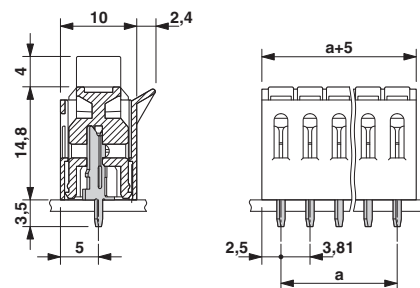
Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 3.81 mm

Drawings

Drilling diagram

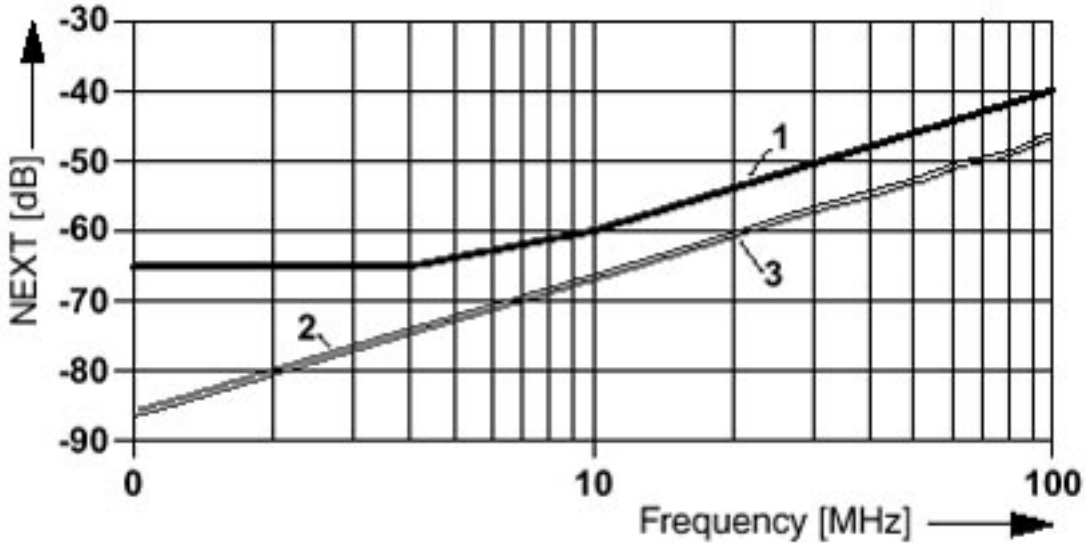


Dimensioned drawing



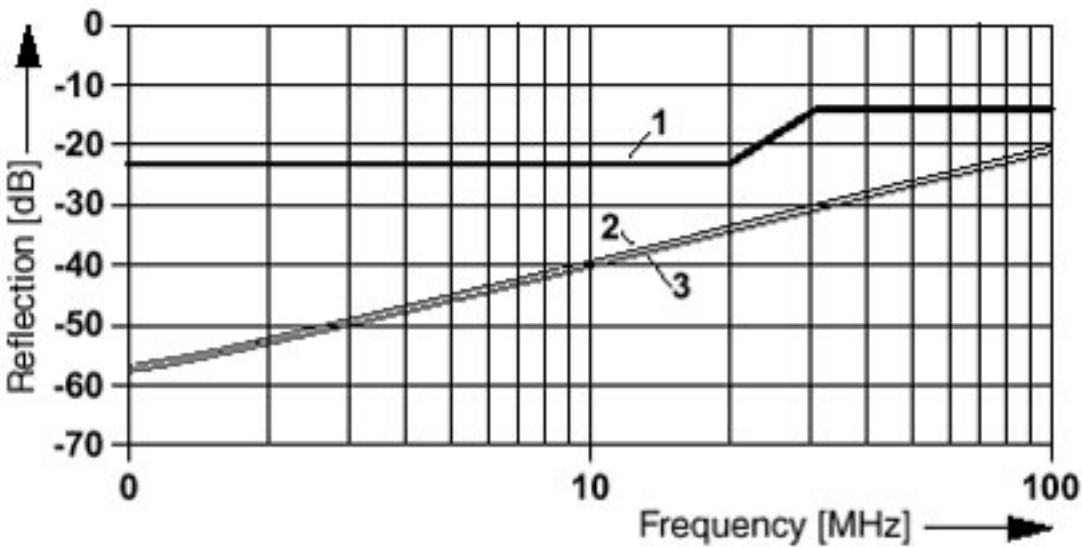
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Diagram



- 1 = Limit values acc. to EN 50173 for connection technology
- 2 = NEXT 12-36 on the soldering tag
- 3 = NEXT 12-36 on the contact terminal block

Diagram



- 1 = Limit values acc. to EN 50173 for connection technology
- 2 = NEXT 12 on the soldering tag
- 3 = NEXT 36 on the soldering tag