

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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Device terminal block, for direct mounting, 5-pos.

The figure shows a combination of versions G 10/2, G 10/4 and G 10/5

Why buy this product

▼ Touch-proof shock protection



Key Commercial Data

Packing unit	10 STK
GTIN	4 017918 062002
GTIN	4017918062002

Technical data

General

N 1 6 19	-
Number of positions	5
Number of levels	1
Number of connections	10
Potentials	5
Nominal cross section	10 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.82 W
Maximum load current	76 A (with 16 mm² conductor cross section)



Technical data

General

Nominal outrent I _N Nominal voltage U _N Nominal voltage U _N No Open side panel No Shock protection test specification IEC 60529:2001-02 Back of the hand protection guaranteed Finger protection Result of surge voltage test Result of surge voltage test Surge voltage test setpoint Result of surge voltage test setpoint Result of five test for mechanical stability of terminal points (5 x Result of the test for mechanical stability of terminal points (5 x Result of the test for mechanical stability of terminal points (5 x Result of surge voltage test Result of surge voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x Result of the test for mechanical stability of terminal points (5 x Result of the test for mechanical stability of terminal points (5 x Result of bending test Result of bending test Bending test totation speed Bending test totation speed Bending test totation speed Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 10 mm² / 2 kg 16 mm² / 2.9 kg Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 10 mm² Tractive force setpoint 90 N Conductor cross section tensile test 16 mm² Tractive force setpoint 100 N Result of voltage-drop test Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 10 mm² 1.2 kA Conductor cross section short circuit testing 10 mm² 1.2 kA	General		
Open side panel No Shock protection test specification Back of the hand protection guaranteed Finger protection guaranteed Finger protection guaranteed Finger protection Surge voltage test setpoint Result of surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test trotation speed Bending test trotation speed Bending test trotation speed Bending test conductor cross section/weight 0.5 mm² / 2.9 kg 10 mm² / 2.9 kg Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 10 mm² Tractive force setpoint 20 N Conductor cross section tensile test 10 mm² Tractive force setpoint 100 N Result of voltage-drop test Test passed Fest passed Fest passed Conductor cross section tensile test Test passed Test passed Conductor cross section tensile test 10 mm² Tractive force setpoint 100 N Result of voltage-drop test Test passed Fest passed Fest passed Short circuit stability result Test passed Conductor cross section short circuit testing 10 mm² Short-time current 1.2 kA Conductor cross section short circuit testing	Nominal current I _N	57 A	
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Result of surge voltage test setpoint 9.8 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.5 mm² / 0.3 kg Test passed 10 rmm² / 2 kg 16 mm² / 2.9 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 10 mm² Tractive force setpoint 90 N Conductor cross section tensile test 16 mm² Tractive force setpoint 100 N Result of voltage-drop test Test passed Conductor cross section tensile test Test passed Requirements, voltage drop Result of temperature-rise test Test passed Conductor cross section short circuit testing 10 mm² Trest passed Conductor cross section short circuit testing 10 mm² Test passed	Back of the hand protection	guaranteed	
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Conductor cross section short circuit testing 10 mm² Short-time current 1.2 kA Conductor cross section short circuit testing 16 mm²	Result of temperature-rise test	Test passed	
Short-time current 1.2 kA Conductor cross section short circuit testing 16 mm²	Short circuit stability result	Test passed	
Conductor cross section short circuit testing 16 mm²	Conductor cross section short circuit testing	10 mm ²	
· ·	Short-time current	1.2 kA	
Short-time current 1.92 kA	Conductor cross section short circuit testing	16 mm²	
	Short-time current	1.92 kA	
Result of thermal test Test passed	Result of thermal test	Test passed	
Proof of thermal characteristics (needle flame) effective duration 30 s	Proof of thermal characteristics (needle flame) effective duration	30 s	
Relative insulation material temperature index (Elec., UL 746 B) 125 °C	Relative insulation material temperature index (Elec., UL 746 B)	125 °C	
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C		125 °C	
Static insulating material application in cold -40 °C	Static insulating material application in cold	-40 °C	

Dimensions

Width	68 mm



Technical data

Dimensions

Length	33 mm
Height	31 mm

Connection data

Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1/IEC 60998
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	10 mm ²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm²
Stripping length	12 mm
Internal cylindrical gage	A3
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1/IEC 60998
Flammability rating according to UL 94	V2

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50



Technical data

Environmental Product Compliance

For details about hazardous sub Category "Manufacturer's declared	-
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Approvals

Approvals

Approvals

CSA / UL Recognized / PRS

Ex Approvals

Approval details

CSA	(P	http://www.csa	http://www.csagroup.org/services-industries/product-listing/ 13631	
Nominal voltage UN			600 V	
Nominal current IN			65 A	
mm²/AWG/kcmil			24-6	

UL Recognized	<i>7</i> .	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425		
Nominal voltage UN			600 V	
Nominal current IN			65 A	
mm²/AWG/kcmil			24-6	

PRS	http://www.prs.pl/	TE/1824/880590/09
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