



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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High Current Connectors - HV M6/1 - 3049204

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High Current Connectors, nom. voltage: 1000 V, nominal current: 125 A, connection method: Bolt connection, number of connections: 1, width: 16 mm, height: 55 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Why buy this product

- Comprehensive, supplementary accessories
- For connecting up to four conductors

Key Commercial Data

Packing unit	25 STK
GTIN	
GTIN	4046356184038

Technical data

General

Number of levels	1
Number of connections	1
Nominal cross section	35 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	4.06 W
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	125 A
Maximum load current	125 A

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Technical data

General

Nominal voltage U_N	1000 V
Open side panel	No
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Length	67 mm
Width	16 mm
Height	55 mm
Height NS 35/7,5	58 mm
Height NS 35/15	65.5 mm
Bolt length	22.5 mm

Connection data

Connection method	Bolt connection
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	35 mm ²
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	2.5 mm ²
Max. cross section for cable lug connection	35 mm ²
Bolt length	22.5 mm
Bolt diameter	6 mm
Tightening torque, min	3 Nm
Tightening torque max	6 Nm
Cable lug connection according to standard	DIN 46235
Min. cross section for cable lug connection	6 mm ²
Max. cross section for cable lug connection	35 mm ²

High Current Connectors - HV M6/1 - 3049204

Technical data

Connection data

Bolt length	22.5 mm
Bolt diameter	6 mm
Tightening torque, min	3 Nm
Tightening torque max	6 Nm
Cable lug connection according to standard	DIN 46237
Min. cross section for cable lug connection	2.5 mm ²
Max. cross section for cable lug connection	6 mm ²
Bolt length	22.5 mm
Bolt diameter	6 mm
Tightening torque, min	3 Nm
Tightening torque max	6 Nm
Screw thread	M6
Tightening torque, min	3 Nm
Tightening torque max	6 Nm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

Approvals


CSA / CSAus / EAC / cCSAus


Ex Approvals

Approval details


High Current Connectors - HV M6/1 - 3049204

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	245029
Nominal voltage UN		1000 V	
Nominal current IN		115 A	
mm ² /AWG/kcmil		4	

CSAus		http://www.csagroup.org/services-industries/product-listing/	245029
Nominal voltage UN		1000 V	
Nominal current IN		115 A	
mm ² /AWG/kcmil		4	

EAC		EAC-Zulassung
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cCSAus		http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing
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