

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

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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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