

## High Current Connectors - HV M10/1 - 3049408

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High Current Connectors, nom. voltage: 1000 V, nominal current: 269 A, connection method: Bolt connection, number of connections: 1, width: 32 mm, height: 73.5 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	10 STK
GTIN	
GTIN	4046356184076

### Technical data

#### General

Number of levels	1
Number of connections	1
Nominal cross section	120 mm <sup>2</sup>
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	8.68 W
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	269 A
Maximum load current	269 A

# High Current Connectors - HV M10/1 - 3049408

## 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	32 mm
Height	73.5 mm
Height NS 35/7,5	76 mm
Height NS 35/15	83.5 mm
Bolt length	40.5 mm

### Connection data

Connection method	Bolt connection
Conductor cross section flexible min.	6 mm <sup>2</sup>
Conductor cross section flexible max.	120 mm <sup>2</sup>
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	6 mm <sup>2</sup>
Max. cross section for cable lug connection	120 mm <sup>2</sup>
Bolt length	40.5 mm
Bolt diameter	10 mm
Tightening torque, min	10 Nm
Tightening torque max	20 Nm
Cable lug connection according to standard	DIN 46235
Min. cross section for cable lug connection	10 mm <sup>2</sup>
Max. cross section for cable lug connection	95 mm <sup>2</sup>

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## Technical data

### Connection data

Bolt length	40.5 mm
Bolt diameter	10 mm
Tightening torque, min	10 Nm
Tightening torque max	20 Nm
Cable lug connection according to standard	DIN 46237
Max. cross section for cable lug connection	6 mm <sup>2</sup>
Bolt length	40.5 mm
Bolt diameter	10 mm
Tightening torque, min	10 Nm
Tightening torque max	20 Nm
Screw thread	M10
Tightening torque, min	10 Nm
Tightening torque max	20 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

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#### Approvals

CSA / CSAus / EAC / cCSAus

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#### Ex Approvals


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### Approval details


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## Approvals

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	245029
Nominal voltage UN		1000 V	
Nominal current IN		220 A	
mm <sup>2</sup> /AWG/kcmil		00	

CSAus		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	245029
Nominal voltage UN		1000 V	
Nominal current IN		220 A	
mm <sup>2</sup> /AWG/kcmil		00	

EAC		EAC-Zulassung
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cCSAus		<a href="http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing">http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing</a>
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PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>