

# High Current Connectors - HV M8/1 - 3049301

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High Current Connectors, Connection method: Bolt connection, Cross section: 2.5 mm<sup>2</sup> - 50 mm<sup>2</sup>, AWG: 14 - 1/0, Width: 21 mm, Height: 63.5 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Product Features

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

## Key commercial data

<b>package_quantity</b>	25
<b>GTIN</b>	4046356184052

## Technical data

### General

<b>Number of levels</b>	1
<b>Number of connections</b>	1
<b>Color</b>	gray
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0

### General

<b>Rated surge voltage</b>	8 kV
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Insulating material group</b>	I
<b>Connection in acc. with standard</b>	IEC 60947-7-1
<b>Nominal current I<sub>N</sub></b>	150 A
<b>Nominal voltage U<sub>N</sub></b>	1000 V
<b>Open side panel</b>	nein

### Dimensions

<b>Length</b>	67 mm
<b>Width</b>	21 mm
<b>Height</b>	63.5 mm
<b>Height NS 35/7,5</b>	66 mm
<b>Height NS 35/15</b>	73.5 mm

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## Technical data

### Connection data

Conductor cross section solid min.	2.5 mm <sup>2</sup>
Conductor cross section solid max.	50 mm <sup>2</sup>
Conductor cross section stranded min.	2.5 mm <sup>2</sup>
Conductor cross section stranded max.	50 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	14
Conductor cross section AWG/kcmil max	1/0
Screw thread	M8
Tightening torque, min	6 Nm
Tightening torque max	12 Nm
Connection method	Bolt connection
Connection in acc. with standard	DIN 46 234
Min. cross section	2.5 mm <sup>2</sup>
Max. cross section	50 mm <sup>2</sup>
Bolt diameter	8 mm
Tightening torque, min	6 Nm
Tightening torque max	12 Nm
Connection in acc. with standard	DIN 46,235
Min. cross section	6 mm <sup>2</sup>
Max. cross section	35 mm <sup>2</sup>
Bolt diameter	8 mm
Tightening torque, min	6 Nm
Tightening torque max	12 Nm

## classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410

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## classifications


### UNSPSC


<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410

## approvals

GOST / CSA / CSAus / GOST / cCSAus /

### Approval details

<b>GOST</b> 
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<b>CSA</b> 	
Nominal voltage UN	1000 V
Nominal current IN	125 A
mm <sup>2</sup> /AWG/kcmil	3

<b>CSAus</b>	
Nominal voltage UN	1000 V
Nominal current IN	125 A
mm <sup>2</sup> /AWG/kcmil	3


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<b>cCSAus</b>
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## accessories

### Bridge

## High Current Connectors - HV M8/1 - 3049301

### accessories

HV M8/1-VS 2 - 3049369



HV M8/1-VS 3 - 3049372



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



# High Current Connectors - HV M8/1 - 3049301

## accessories

NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



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accessories

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## Drawings

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