

## High Current Connectors - UHV 25-M8/M8 - 2130208

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High-current connector with bolt connection, cross section: 6 - 25 mm<sup>2</sup>, AWG: 10 - 4, width: 26 mm, color: gray


The figure shows a combination of versions UHV 25-AS/AS, UHV 25-KH/AS and UHV 25-KH/KH

### Your advantages

- ✓ The comprehensive range of accessories, such as the connection rail for cross connection, ensures safe and user-friendly wiring of conductors up to 240 mm<sup>2</sup>
- ✓ The UHV ... high-current connectors are available in several versions
- ✓ Versions are available with a cable lug or direct connection and there is a mixed version of both connection methods



### Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 017918 052980
GTIN	4017918052980
Weight per Piece (excluding packing)	88.770 g
Custom tariff number	85369010
Country of origin	India
Note	Made to Order (non-returnable)

### Technical data

#### General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	25 mm <sup>2</sup>
Color	gray
Insulating material	PA-F

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## Technical data

### General

Flammability rating according to UL 94	HB
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II
Maximum power dissipation for nominal condition	3.26 W
Designation	Level 1 above 1 below 1
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	101 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	No

### Dimensions

Width	26 mm
Length	88 mm
Height NS 35/15	53 mm

### Connection data

Connection	1 level
Connection method	Bolt connection
Stripping length	21 mm
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	6 mm <sup>2</sup>
Conductor cross section solid max.	25 mm <sup>2</sup>
Conductor cross section flexible min.	6 mm <sup>2</sup>
Conductor cross section flexible max.	25 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	10
Max. AWG conductor cross section, flexible	3
Conductor cross section flexible, with ferrule without plastic sleeve min.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	25 mm <sup>2</sup>
2 conductors with same cross section, solid min.	2.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm <sup>2</sup>

## High Current Connectors - UHV 25-M8/M8 - 2130208

### Technical data

#### Connection data

Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	2.5 mm <sup>2</sup>
Max. cross section for cable lug connection	25 mm <sup>2</sup>
Hole diameter, min.	8.4 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Cable lug connection according to standard	DIN 46235
Min. cross section for cable lug connection	16 mm <sup>2</sup>
Max. cross section for cable lug connection	25 mm <sup>2</sup>
Hole diameter, min.	8.4 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Power rail	15 mm x 3 mm

#### Standards and Regulations

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

#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

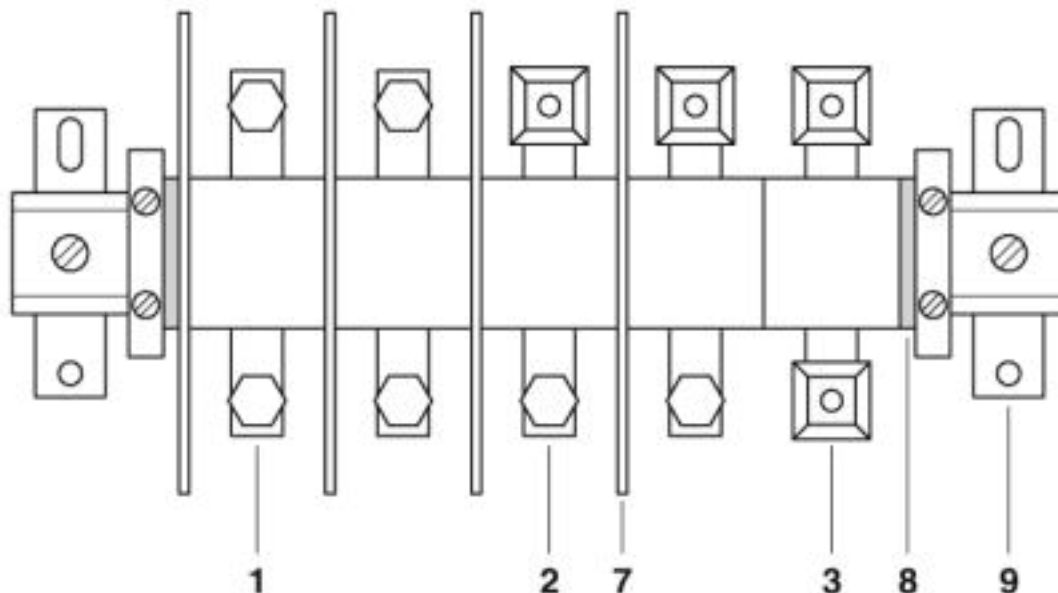
### Drawings

Circuit diagram



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Schematic diagram



- 1 = high current connector, AS screw set on both sides
- 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side
- 3 = high current connector, terminal sleeves KH on both sides, for direct cable connection
- 7 = separating plate
- 8 = end piece
- 9 = flat bracket

## Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897



# High Current Connectors - UHV 25-M8/M8 - 2130208

## Classifications

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals


#### Approvals


DNV GL / CSA / UL Recognized / EAC

#### Ex Approvals

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00001CT
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CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	100 A	100 A	
mm <sup>2</sup> /AWG/kcmil	6-4	6-4	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
Nominal voltage UN	600 V		
Nominal current IN	85 A		
mm <sup>2</sup> /AWG/kcmil	6-4		

EAC		EAC-Zulassung
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<https://www.phoenixcontact.com/gb/products/2130208>



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