

## High Current Connectors - UHV 25-KH/M8 - 2130305

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

### Product Features

- 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
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### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 053086
Weight per Piece (excluding packing)	105.25 GRM
Custom tariff number	85369010
Country of origin	India

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA-F
Inflammability class according to UL 94	HB

# High Current Connectors - UHV 25-KH/M8 - 2130305

## Technical data

### General

Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	II
Connection in acc. with standard	IEC 60947-7-1
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
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Open side panel	nein

### Dimensions

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

### Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Bolt connection
Conductor cross section solid min.	6 mm <sup>2</sup>
Conductor cross section solid max.	25 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max.	3
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, stranded	10
Max. AWG conductor cross section, stranded	3
Conductor cross section flexible, with ferrule without plastic sleeve min.	4 mm <sup>2</sup>
Conductor cross section stranded, 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>

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### Technical data

#### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm <sup>2</sup>
Cable lug connection according to standard	DIN 46,235
Min. cross section for cable lug connection	16 mm <sup>2</sup>
Max. cross section for cable lug connection	25 mm <sup>2</sup>
Cable lug connection according to standard	DIN 46 234
Min. cross section	2.5 mm <sup>2</sup>
Max. cross section	25 mm <sup>2</sup>
Stripping length	21 mm
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm
Power rail	15 mm x 3 mm

### 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
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

# High Current Connectors - UHV 25-KH/M8 - 2130305

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / GL / EAC

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#### Ex Approvals


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#### Approvals submitted

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## Approval details

CSA 		
	B	C
mm <sup>2</sup> /AWG/kcmil	6-4	6-4
Nominal current I <sub>N</sub>	100 A	100 A
Nominal voltage U <sub>N</sub>	600 V	600 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	6-4
Nominal current I <sub>N</sub>	85 A
Nominal voltage U <sub>N</sub>	600 V

GL
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EAC
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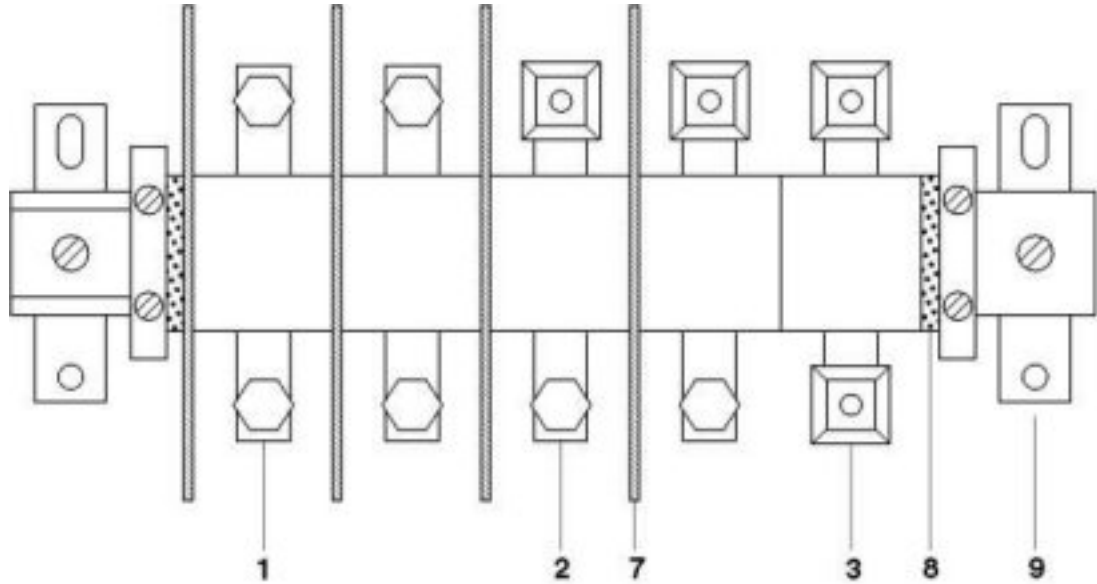
## Drawings

## High Current Connectors - UHV 25-KH/M8 - 2130305

Circuit diagram



Circuit 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