

## High Current Connectors - UHV 25-KH/KH - 2130156

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Universal terminal block with screw 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

### Why buy this product

- Versions are available with a cable lug or direct connection and there is a mixed version of both connection methods
- The UHV ... high-current connectors are available in several versions
- 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>

### Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 052935

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	25 mm <sup>2</sup>
Color	gray
Insulating material	PA-F
Flammability rating according to UL 94	V2
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	101 A
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	No

# High Current Connectors - UHV 25-KH/KH - 2130156

## Technical data

### Dimensions

Length	102.5 mm
Width	26 mm
Height NS 35/15	72 mm

### Connection data

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>
Conductor cross section AWG min.	10
Conductor cross section AWG max.	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>
Stripping length	21 mm
Screw thread	M5
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm
Connection method	Bolt connection
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	V2

## Classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120

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### Classifications

#### eCl@ss

eCl@ss 6.0	27141120
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

#### UNSPSC

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

### Approvals

#### Approvals


#### Approvals

CSA / UL Recognized / GL / PRS / EAC / EAC

#### Ex Approvals


#### Approvals submitted

#### 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

## High Current Connectors - UHV 25-KH/KH - 2130156

### Approvals

UL Recognized 	
mm²/AWG/kcmil	6-4
Nominal current I <sub>N</sub>	85 A
Nominal voltage U <sub>N</sub>	600 V

GL

PRS

EAC

EAC

### Drawings

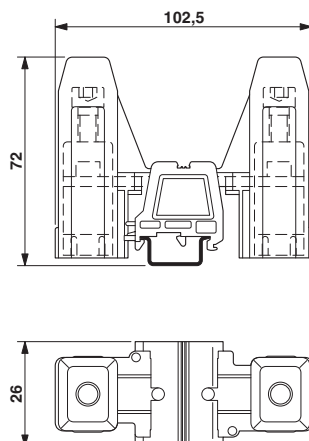
Pictogram



Circuit diagram

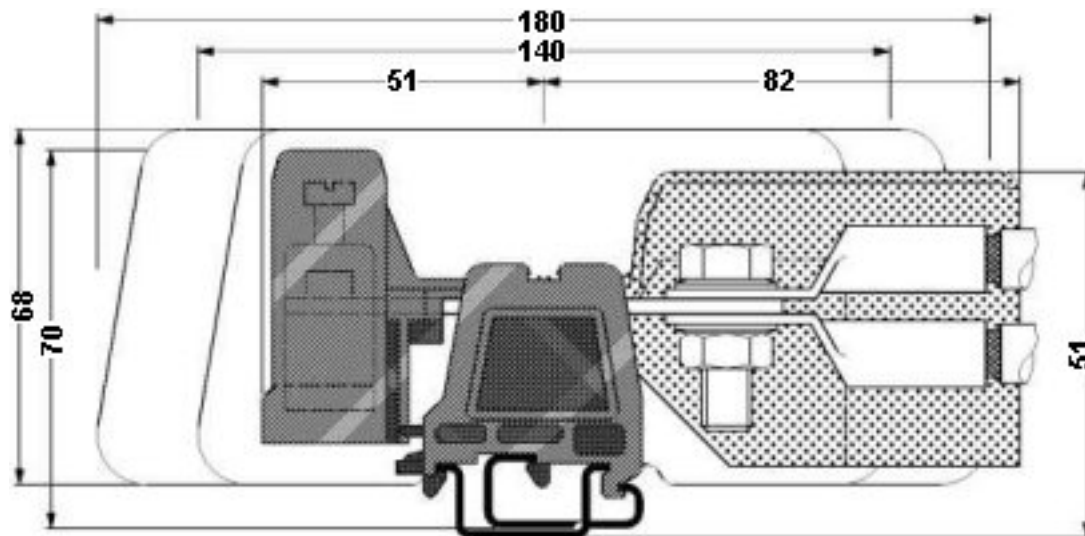


Dimensional drawing

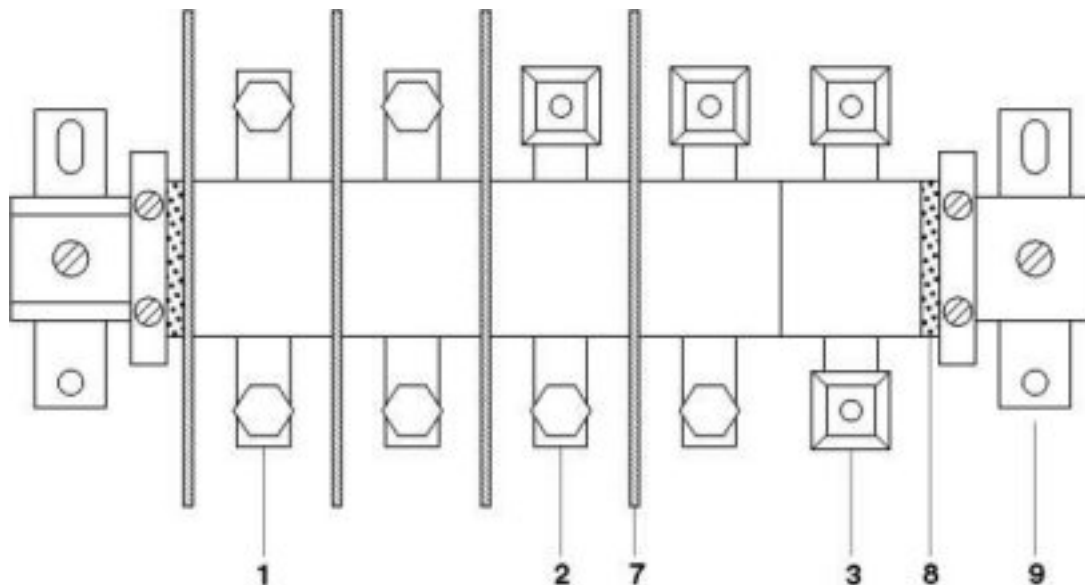


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Dimensional drawing



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