

High Current Connectors - UHV 25-KH/AS - 2130101

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Universal terminal block with hybrid connection, cross section: 6 - 25 mm², 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 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
- The comprehensive range of accessories, such as the connection rail for cross connection, ensures safe and user-friendly wiring of conductors up to 240 mm²



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 052881
Weight per Piece (excluding packing)	109.78 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	25 mm ²
Color	gray
Insulating material	PA-F
Flammability rating according to UL 94	V2

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Technical data

General

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_N	101 A
Maximum load current	101 A (with 25 mm ² conductor cross section)
Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

Length	95 mm
Width	26 mm
Height NS 35/15	72 mm

Connection data

Note	2-conductor connection only on terminal sleeve side
Conductor cross section solid min.	6 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section flexible min.	10 mm ²
Conductor cross section flexible max.	25 mm ²
Conductor cross section AWG min.	10
Conductor cross section AWG max.	3
Conductor cross section flexible, with ferrule without plastic sleeve min.	4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	25 mm ²
2 conductors with same cross section, solid min.	2.5 mm ²
2 conductors with same cross section, solid max.	10 mm ²
2 conductors with same cross section, stranded min.	4 mm ²
2 conductors with same cross section, stranded max.	10 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm ²
Stripping length	21 mm
Screw thread	M5
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm

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Technical data

Connection data

Connection method	Bolt connection
Connection in acc. with standard	DIN 46,235
Min. cross section	16 mm ²
Max. cross section	25 mm ²
Hole diameter	8.4 mm
Bolt diameter	8 mm
Bolt thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Connection in acc. with standard	DIN 46 234
Min. cross section	2.5 mm ²
Max. cross section	25 mm ²
Hole diameter	8.4 mm
Bolt diameter	8 mm
Bolt 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
	DIN 46,235
	DIN 46 234
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
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

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Classifications

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 ² /AWG/kcmil	6-4	6-4
Nominal current IN	100 A	100 A
Nominal voltage UN	600 V	600 V

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Approvals

UL Recognized	
mm ² /AWG/kcmil	6-4
Nominal current IN	85 A
Nominal voltage UN	600 V

GL

PRS

EAC

EAC

Drawings

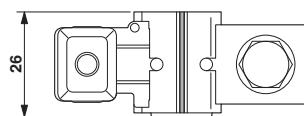
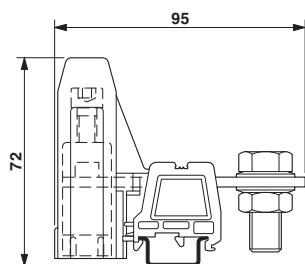
Pictogram



Circuit diagram

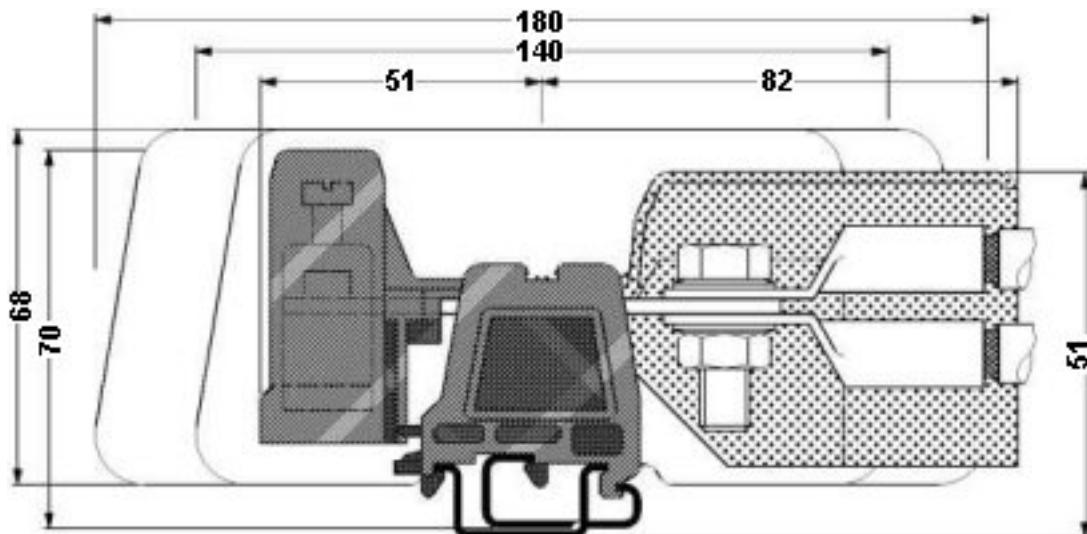


Dimensional drawing

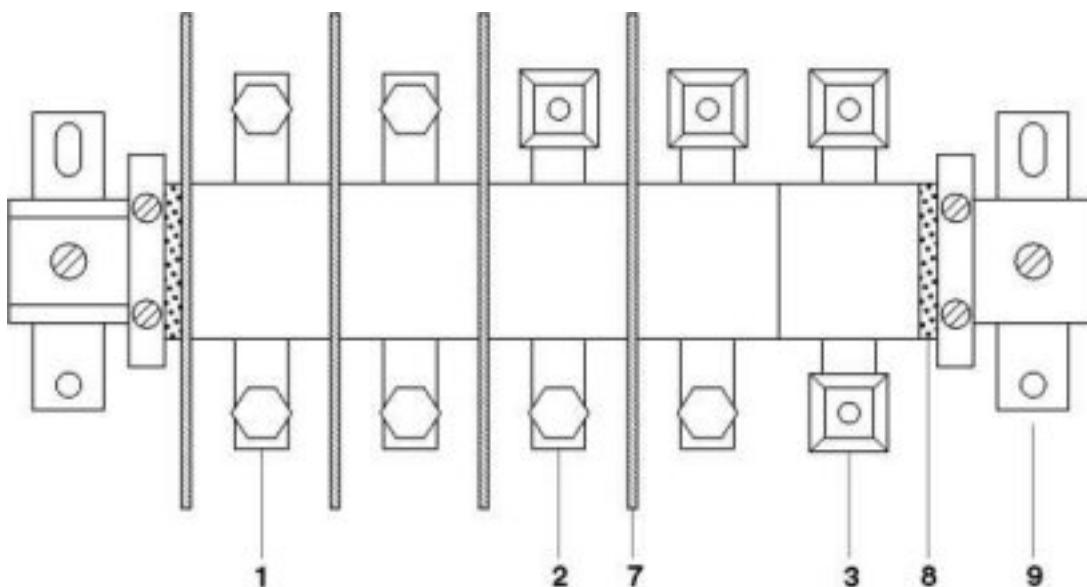


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Dimensional drawing



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