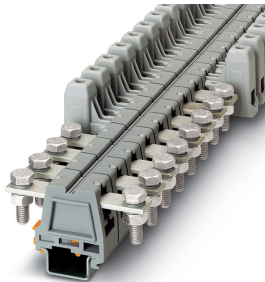


## High Current Connectors - UHV 25-KH/AS - 2130101

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Universal terminal block with hybrid 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

- ✓ 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 mm<sup>2</sup>
- ✓ The UHV ... high-current connectors are available in several versions

**RoHS**

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 052881
GTIN	4017918052881
Weight per Piece (excluding packing)	109.780 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 <sup>2</sup>
Color	gray

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

## Technical data

### General

Insulating material	PA
Flammability rating according to UL 94	V0
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
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	101 A
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	1000 V
Connection in acc. with standard	IEC 60947-7-1
Open side panel	No

### Dimensions

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

### Connection data

Connection method	Bolt connection
Note	2-conductor connection only on terminal sleeve side
Cable lug connection according to standard	DIN 46234:1980-03
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
Cable lug width, max.	16 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 46235:1983-07
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
Cable lug width, max.	16 mm
Bolt diameter	8 mm
Screw thread	M8

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

## Technical data

### Connection data

Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Screw thread	M8
Power rail	15 mm x 3 mm
Connection method	Screw connection
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.	2.5 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.	4
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>
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	2.5 mm <sup>2</sup>
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	10 mm <sup>2</sup>
Stripping length	21 mm
Screw thread	M5
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm

### Ambient conditions

Operating temperature	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

### Standards and Regulations

Connection in acc. with standard	CSA
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# High Current Connectors - UHV 25-KH/AS - 2130101

## Technical data

### Standards and Regulations

	IEC 60947-7-1
	IEC 60947-7-1
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Drawings

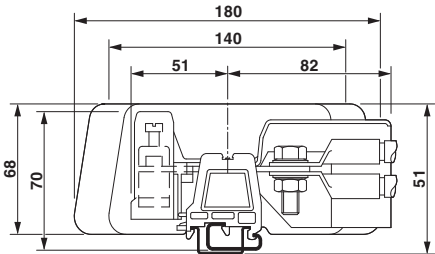
Pictogram



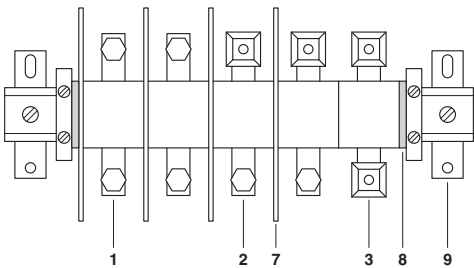
Circuit diagram



Dimensional drawing



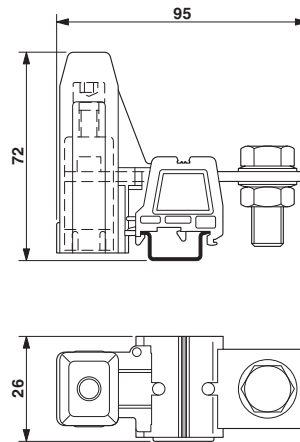
Schematic diagram



- 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

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

Dimensional drawing



### Classifications

#### eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
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 9.0	27141120

#### ETIM

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

#### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410

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

### Classifications

#### UNSPSC

UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	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	
mm²/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		
mm²/AWG/kcmil	6-4		

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

### Approvals

EAC



RU C-  
DE.BL08.B.00540