

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

Your advantages

- ✓ 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

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 052881
GTIN	4017918052881

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	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

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Technical data

General

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
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
Conductor cross section solid min.	10 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 flexible, with ferrule with plastic sleeve min.	10 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
Cable lug connection according to standard	DIN 46234:1980-03
Min. cross section for cable lug connection	2.5 mm ²
Max. cross section for cable lug connection	25 mm ²
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 46235:1983-07
Min. cross section for cable lug connection	16 mm ²
Max. cross section for cable lug connection	25 mm ²
Hole diameter, min.	8.4 mm
Bolt diameter	8 mm

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Connection data

Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Stripping length	21 mm
Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Power rail	15 mm x 3 mm
Connection method	Screw connection
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

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	IEC 60947-7-1
Flammability rating according to UL 94	V0

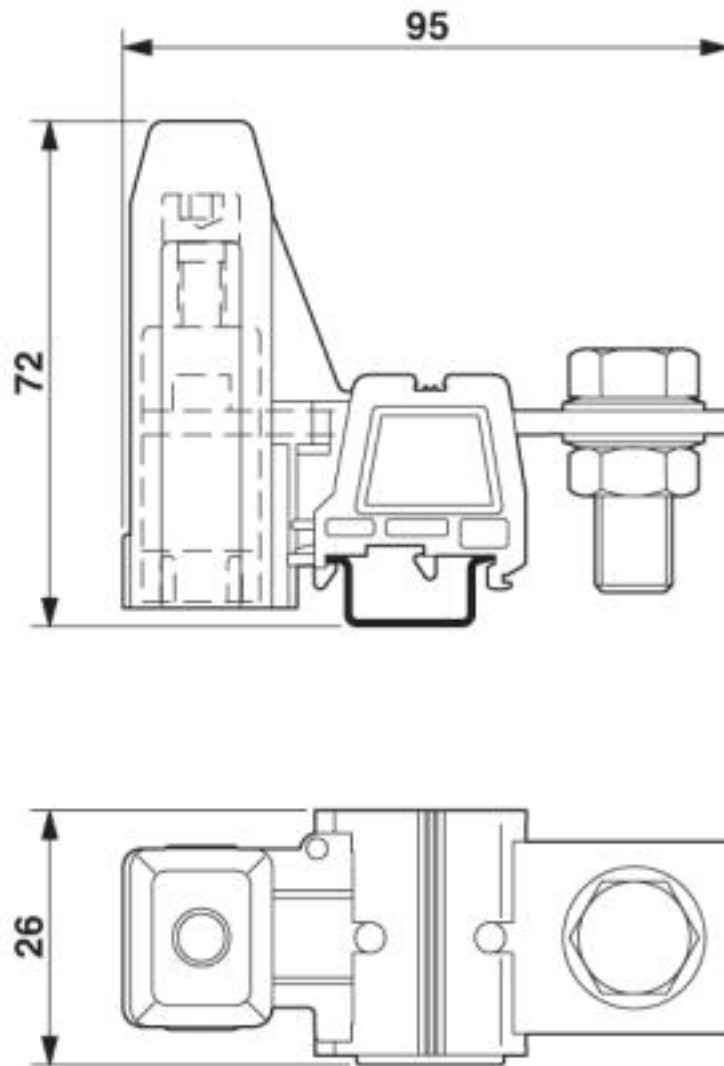
Environmental Product Compliance

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

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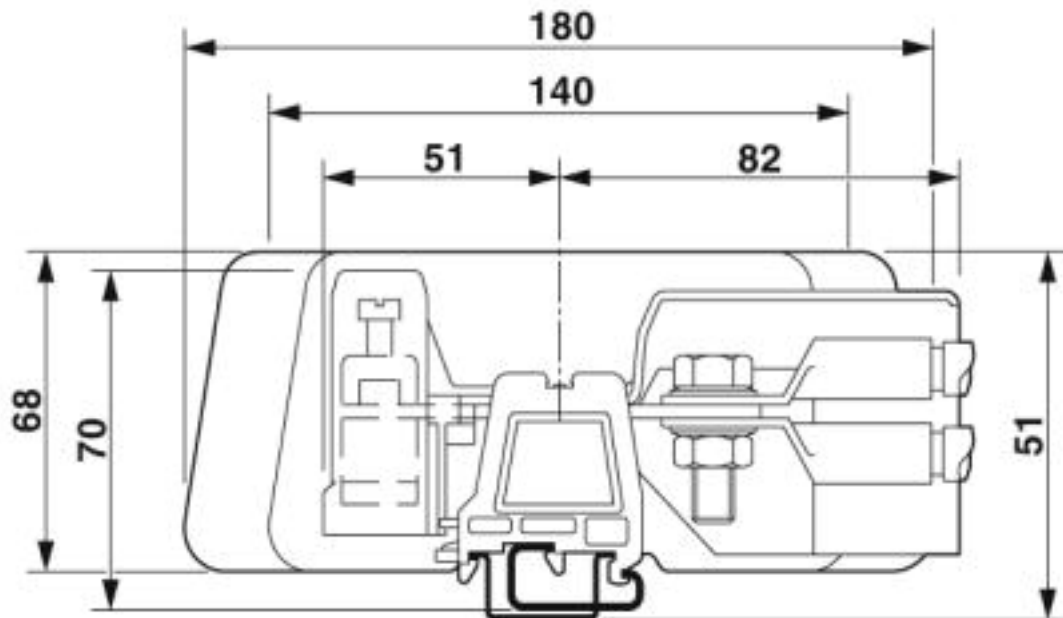
Drawings

Dimensional drawing



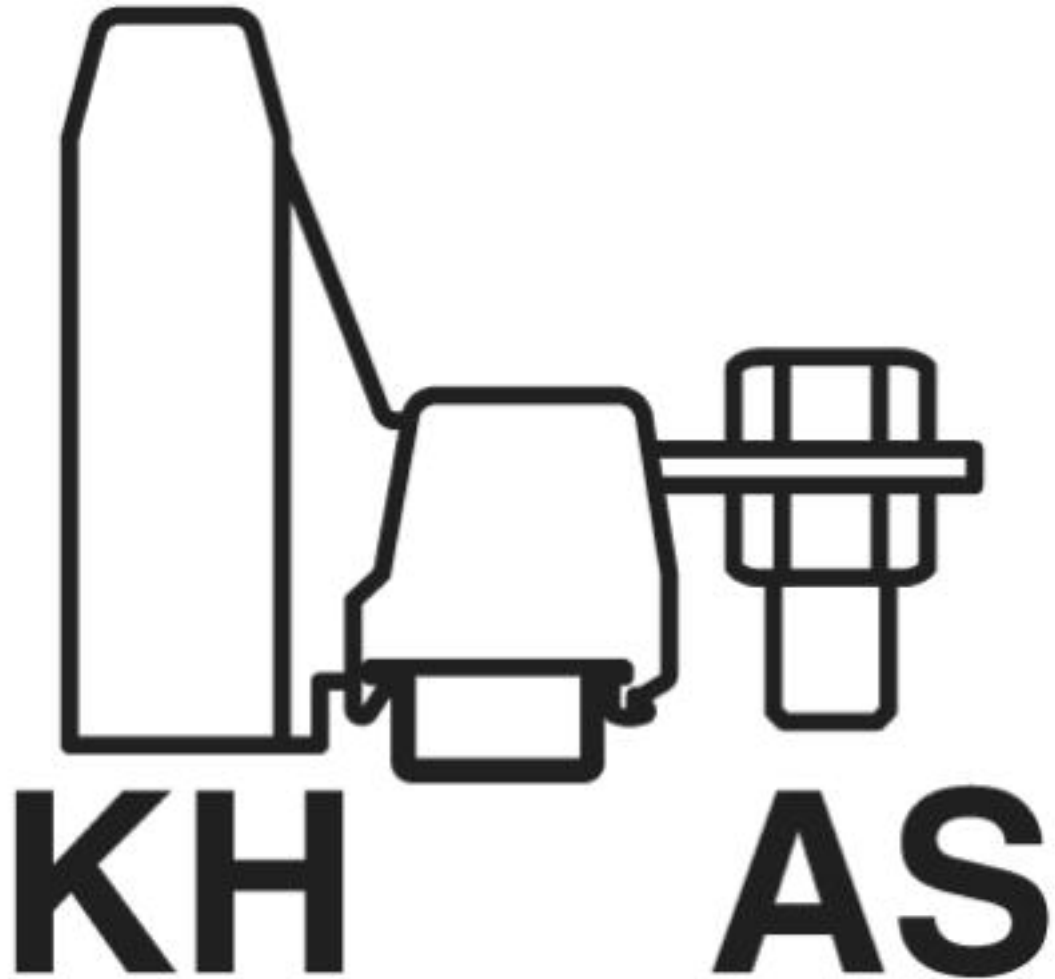
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Dimensional drawing



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Pictogram

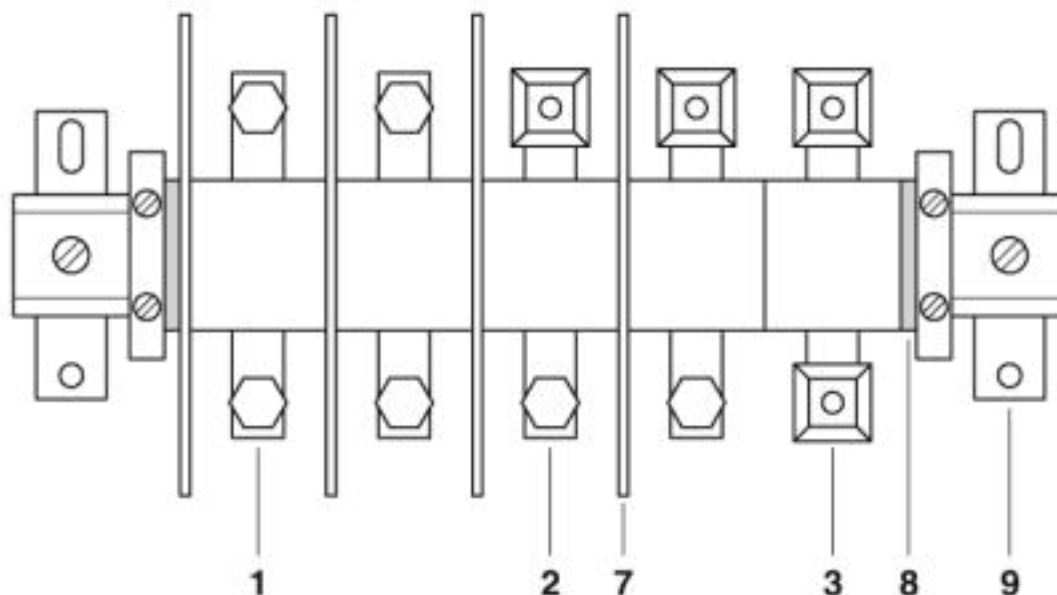


Circuit diagram



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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

Approvals

Approvals

Approvals

DNV GL / CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

DNV GL



<https://approvalfinder.dnvgl.com/>

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Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	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		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN	600 V		
Nominal current IN	85 A		
mm²/AWG/kcmil	6-4		

EAC		EAC-Zulassung
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