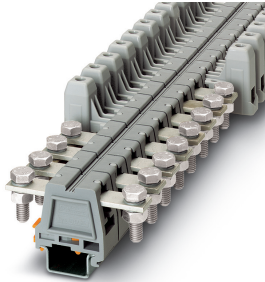


High Current Connectors - UHV 25-KH/KH - 2130156

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Universal terminal block with screw 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 comprehensive range of accessories, such as the connection rail for cross connection, ensures safe and user-friendly wiring of conductors up to 240 mm²
- ✓ 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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 052935
GTIN	4017918052935
Weight per Piece (excluding packing)	113.780 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 ²
Color	gray

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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 ² conductor cross section)
Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

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

Connection data

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
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	2.5 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	10 mm ²
Stripping length	21 mm

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Technical data

Connection data

Screw thread	M5
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm
Power rail	15 mm x 3 mm

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
	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

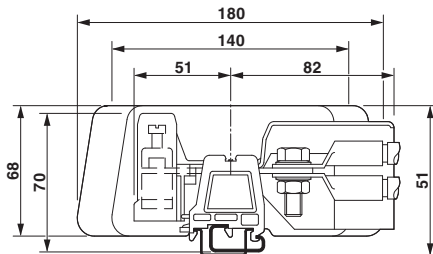
Pictogram



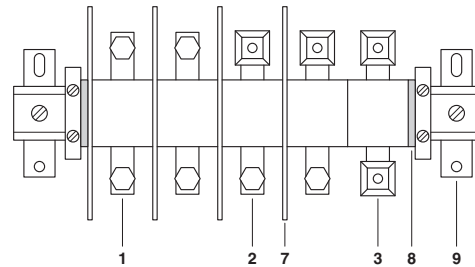
Circuit diagram



Dimensional drawing



Schematic diagram

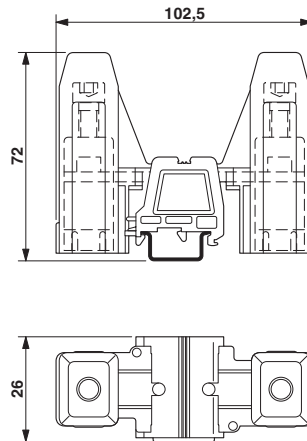


1 = high current connector, AS screw set on both sides
 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side

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- 3 = high current connector, terminal sleeves KH on both sides, for direct cable connection
- 7 = separating plate
- 8 = end piece
- 9 = flat bracket

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

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Classifications

UNSPSC

UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
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		https://approvalfinder.dnvgl.com/	TAE00001CT
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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	
mm ² /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		

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Approvals

Nominal current I _N	85 A
mm ² /AWG/kcmil	6-4

EAC		RU C- DE.BL08.B.00540
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