

High Current Connectors - UHV 95-KH/KH - 2130172

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Universal terminal block with screw connection, cross section: 35 - 95 mm², AWG: 2 - 4/0, width: 40 mm, color: gray

The illustration shows a combination of versions UHV 95-AS/AS, UHV 95-KH/AS and UHV 95-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 mm²

Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 052959

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	95 mm ²
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 _N	232 A
Maximum load current	232 A (with 95 mm ² conductor cross section)
Nominal voltage U _N	1000 V

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Technical data

General

Open side panel	No
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Dimensions

Length	118.5 mm
Width	40 mm
Height NS 35/15	86 mm

Connection data

Conductor cross section solid min.	25 mm ²
Conductor cross section solid max.	95 mm ²
Conductor cross section flexible min.	35 mm ²
Conductor cross section flexible max.	95 mm ²
Conductor cross section AWG min.	3
Conductor cross section AWG max.	3/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	35 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	95 mm ²
2 conductors with same cross section, solid min.	25 mm ²
2 conductors with same cross section, solid max.	35 mm ²
2 conductors with same cross section, stranded min.	25 mm ²
2 conductors with same cross section, stranded max.	35 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	16 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	35 mm ²
Stripping length	29 mm
Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Connection method	Bolt connection
Power rail	30 mm x 5 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

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Classifications

eCl@ss

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

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
mm²/AWG/kcmil	2-4/0	2-4/0
Nominal current IN	200 A	200 A

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Approvals

	B	C
Nominal voltage UN	600 V	600 V

UL Recognized 		
	B	C
mm²/AWG/kcmil	2-4/0	2-4/0
Nominal current IN	230 A	230 A
Nominal voltage UN	600 V	600 V

GL

PRS

EAC

EAC

Drawings

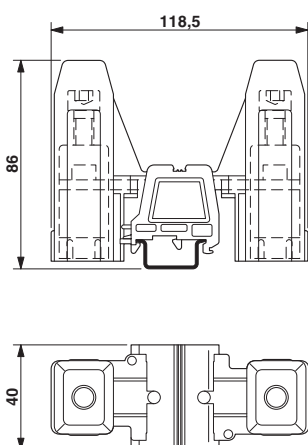
Pictogram



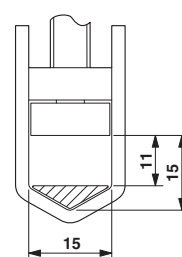
Circuit diagram



Dimensional drawing

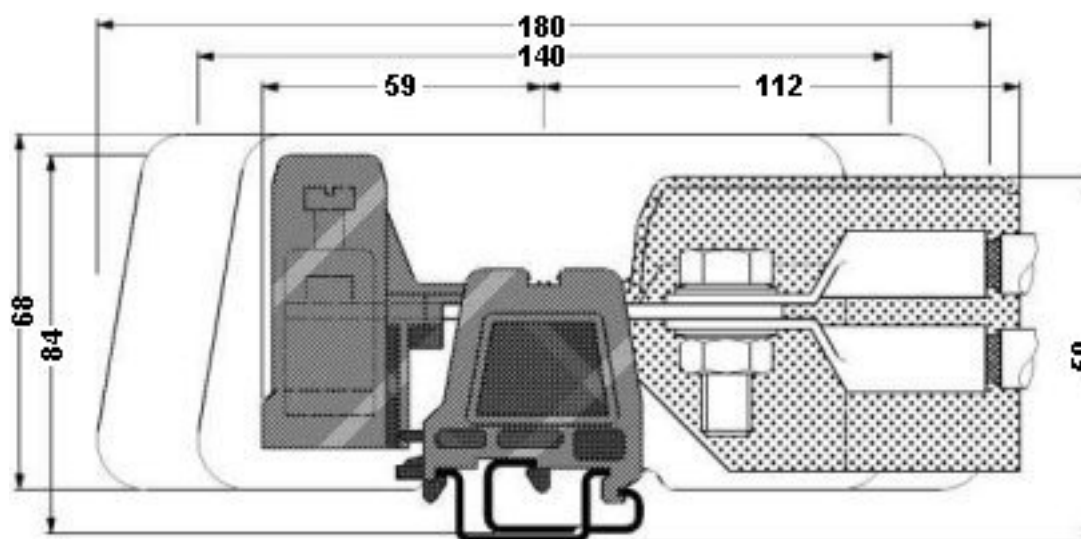


Dimensional drawing

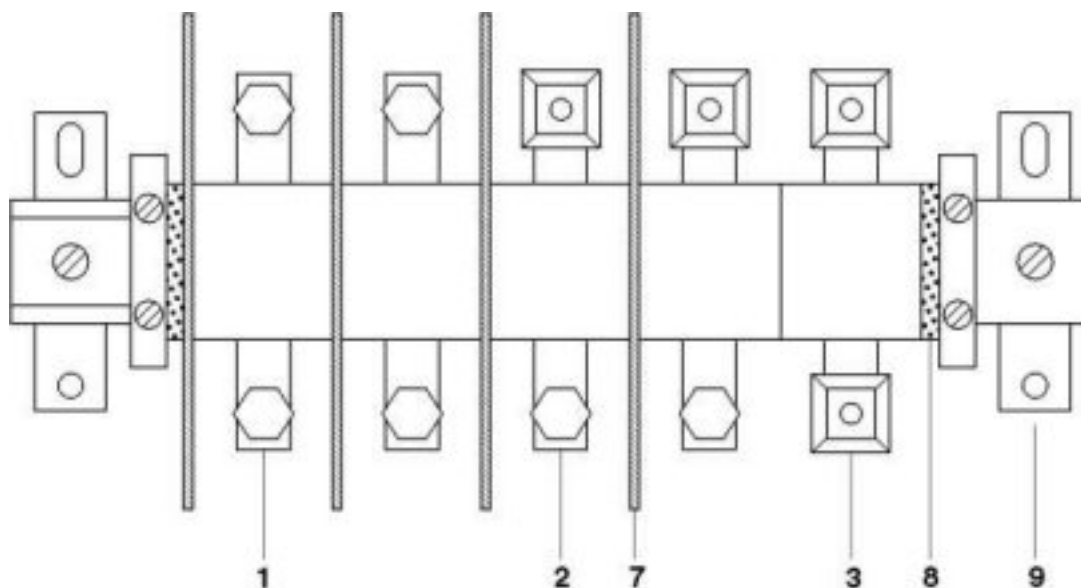


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Dimensional drawing



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