

High Current Connectors - UHV 95-AS/AS - 2130020

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Universal terminal block with bolt 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

Product Features

- 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	1 pc
GTIN	 4 017918 052805
Weight per Piece (excluding packing)	302.8 g
Custom tariff number	85369010
Country of origin	India

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

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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	232 A
Maximum load current	232 A (with 95 mm ² conductor cross section)
Nominal voltage U _N	1000 V
Open side panel	No
Result of surge voltage test	Test passed
Surge voltage test setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	15 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	95 mm ²
Short-time current	11.4 kA
Relative insulation material temperature index (Elec., UL 746 B)	120 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	145 °C

Dimensions

Length	110 mm
Width	40 mm
Height NS 35/15	56 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.	4

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Technical data

Connection data

Conductor cross section AWG max.	3/0
Stripping length	29 mm
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Connection method	Bolt connection
Connection in acc. with standard	DIN 46,235
Min. cross section	25 mm ²
Max. cross section	95 mm ²
Hole diameter	13 mm
Bolt diameter	12 mm
Bolt thread	M12
Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Connection in acc. with standard	DIN 46 234
Min. cross section	10 mm ²
Max. cross section	95 mm ²
Hole diameter	13 mm
Bolt diameter	12 mm
Bolt thread	M12
Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Power rail	30 mm x 5 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

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Classifications

eCl@ss

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 / RS / PRS / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

CSA 		
	B	C
	mm ² /AWG/kcmil	2-4/0
	Nominal current I _N	200 A

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Approvals

	B	C
Nominal voltage UN	600 V	600 V

UL Recognized

	B	C
mm ² /AWG/kcmil	2-4/0	2-4/0
Nominal current I _N	230 A	230 A
Nominal voltage UN	600 V	600 V

GL

RS

PRS

EAC

EAC

Drawings

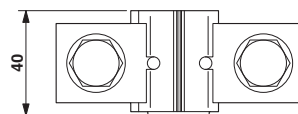
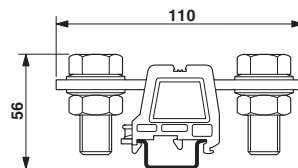
Pictogram



Circuit diagram

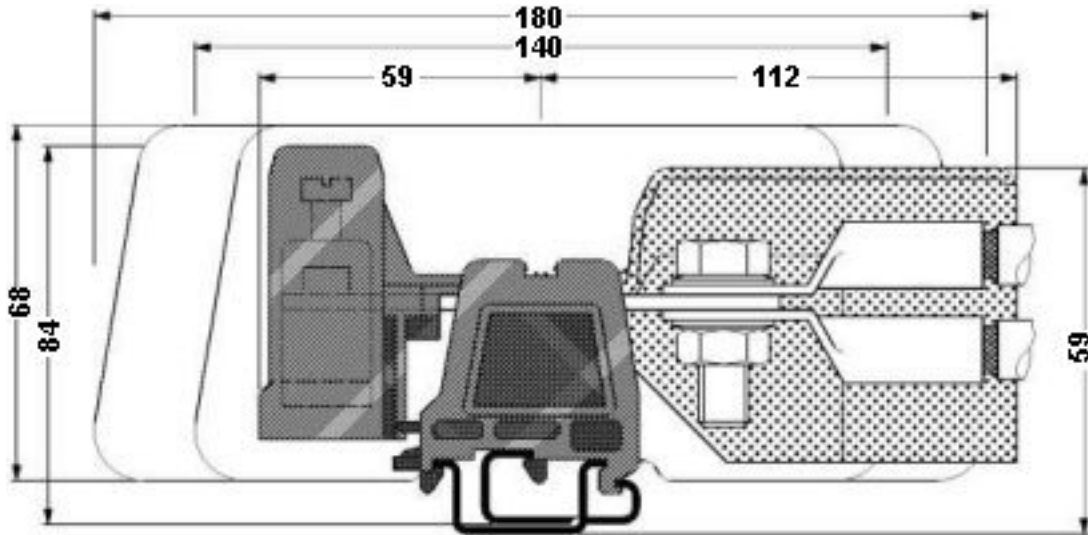


Dimensional drawing

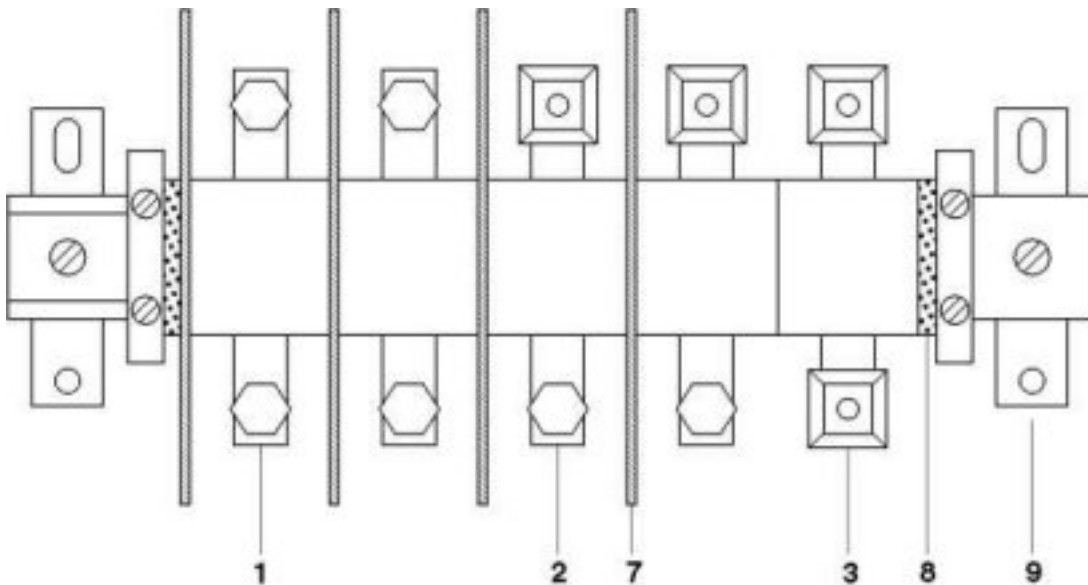


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Dimensional drawing



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