

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 figure 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	
GTIN	4017918052805

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	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II
Maximum power dissipation for nominal condition	7.54 W

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Technical data

General

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	2.2 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 32/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
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Relative insulation material temperature index (Elec., UL 746 B)	120 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-40 °C

Dimensions

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

Connection data

Connection method	Bolt connection
Conductor cross section flexible min.	35 mm ²
Conductor cross section flexible max.	95 mm ²
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	10 mm ²
Max. cross section for cable lug connection	95 mm ²
Hole diameter, min.	13 mm
Bolt diameter	12 mm
Screw thread	M12

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Technical data

Connection data

Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Cable lug connection according to standard	DIN 46235
Min. cross section for cable lug connection	25 mm ²
Max. cross section for cable lug connection	95 mm ²
Hole diameter, min.	13 mm
Bolt diameter	12 mm
Screw 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
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

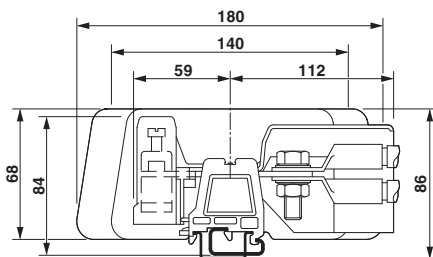
Pictogram



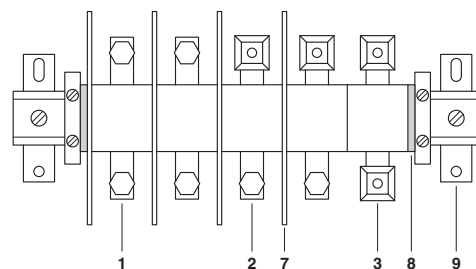
Circuit diagram



Dimensional drawing



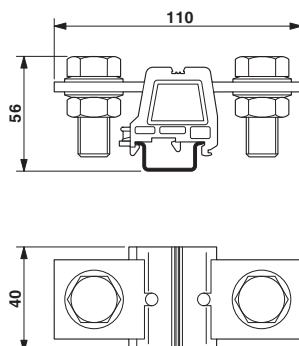
Schematic diagram



- 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

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Dimensional drawing



Approvals

Approvals

Approvals

CSA / UL Recognized / PRS / EAC / DNV GL

Ex Approvals

Approval details


CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	200 A	200 A	
mm ² /AWG/kcmil	2-4/0	2-4/0	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	230 A	230 A	
mm ² /AWG/kcmil	2-4/0	2-4/0	

PRS		http://www.prs.pl/	TE/1824/880590/09
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Approvals

EAC		EAC-Zulassung
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DNV GL	http://exchange.dnv.com/tari/	TAE00001CT
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>