

High Current Connectors - UHV 95-M12/M12 - 2130224

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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

Your advantages

- ✓ 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

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 053000
GTIN	4017918053000

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Color	gray
Insulating material	PA-F
Flammability rating according to UL 94	HB
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II

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Technical data

General

Maximum load current	232 A (with 95 mm ² conductor cross section)
Nominal current I _N	232 A
Nominal voltage U _N	1000 V
Open side panel	No

Dimensions

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

Connection data

Connection	1 level
Connection method	Bolt connection
Stripping length	29 mm
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	35 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
Min. AWG conductor cross section, flexible	2
Max. AWG conductor cross section, flexible	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
Cable lug connection according to standard	DIN 46234:1980-03
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
Tightening torque, min	25 Nm

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Connection data

Tightening torque max	30 Nm
Cable lug connection according to standard	DIN 46235:1983-07
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	HB

Environmental Product Compliance

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

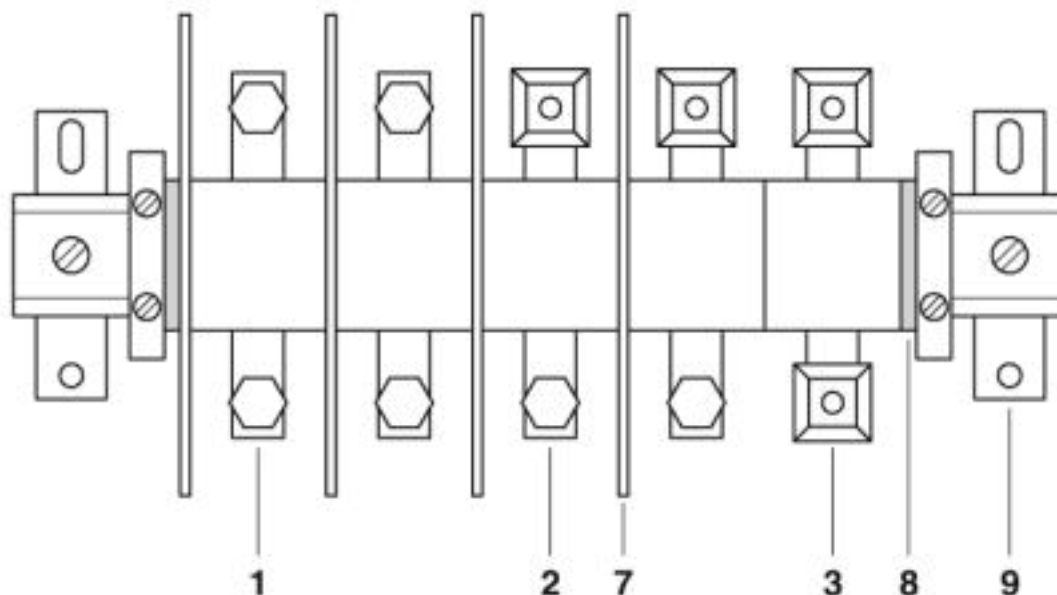
Drawings

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	200 A	200 A	
mm²/AWG/kcmil	2	2	

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	
mm²/AWG/kcmil	2	2	

EAC		EAC-Zulassung
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