

High Current Connectors - UHV240-AS 16/AS 10 - 3061473

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Universal terminal block with bolt connection, bore hole on one side for M10 and on one side for M16, cross section: 70 - 240 mm², width: 53 mm, color: gray

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

RoHS

Key Commercial Data

Packing unit	5 pc
GTIN	
GTIN	4046356578714

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
Maximum load current	415 A (with 240 mm ² conductor cross section)
Nominal current I _N	415 A

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Technical data

General

Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

Width	53 mm
Length	125 mm
Height NS 35/15	58 mm

Connection data

Connection method	Bolt connection
Stripping length	34 mm
Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	70 mm ²
Conductor cross section solid max.	240 mm ²
Conductor cross section flexible min.	70 mm ²
Conductor cross section flexible max.	240 mm ²
Min. AWG conductor cross section, flexible	2/0
Max. AWG conductor cross section, flexible	500 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	70 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	180 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	70 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	185 mm ²
2 conductors with same cross section, solid min.	35 mm ²
2 conductors with same cross section, solid max.	95 mm ²
2 conductors with same cross section, stranded min.	50 mm ²
2 conductors with same cross section, stranded max.	95 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	35 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	50 mm ²
Cable lug connection according to standard	DIN 46234:1980-03
Min. cross section for cable lug connection	25 mm ²
Max. cross section for cable lug connection	240 mm ²
Hole diameter, min.	17 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque, min	30 Nm
Tightening torque max	35 Nm
Cable lug connection according to standard	DIN 46235:1983-07
Min. cross section for cable lug connection	50 mm ²

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Connection data

Max. cross section for cable lug connection	185 mm ²
Hole diameter, min.	17 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque, min	30 Nm
Tightening torque max	35 Nm
Cable lug connection according to standard	DIN 46237:1970-07
Min. cross section for cable lug connection	25 mm ²
Max. cross section for cable lug connection	240 mm ²
Hole diameter, min.	11 mm
Bolt diameter	10 mm
Screw thread	M10
Tightening torque, min	30 Nm
Tightening torque max	35 Nm
Power rail	40 mm x 5 mm

Standards and Regulations

Connection in acc. with standard	UL
	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

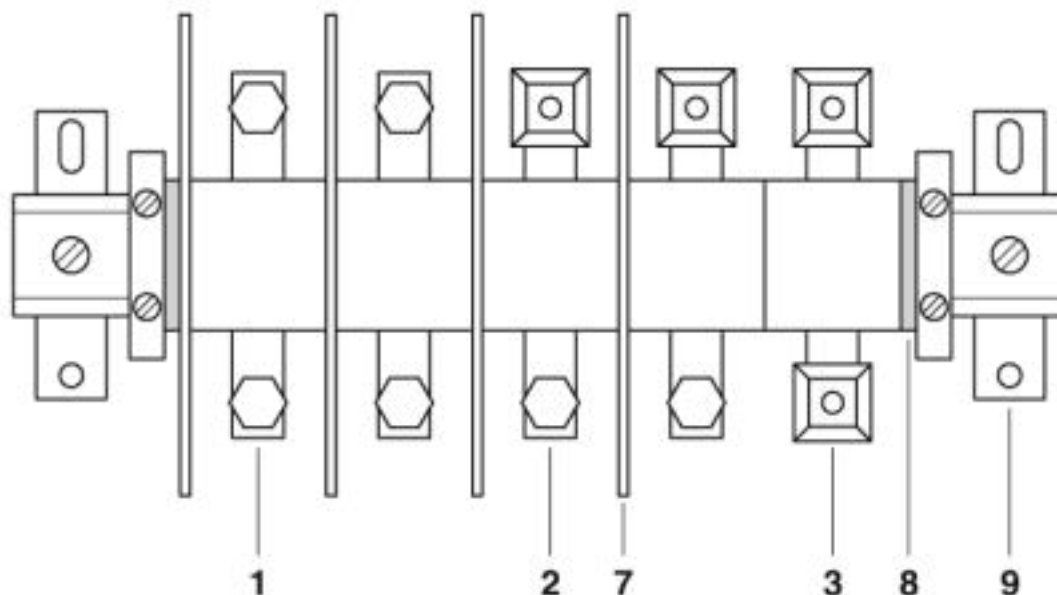
Drawings

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

UL Recognized / EAC / EAC

Ex Approvals

Approval details

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	380 A	380 A	
mm²/AWG/kcmil	500	500	

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Approvals

EAC		EAC-Zulassung
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EAC		RU C- DE.BL08.B.00540
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