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

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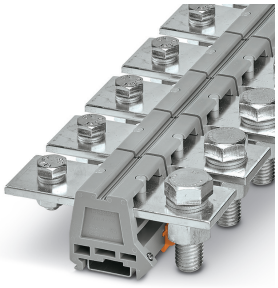

Universal terminal block with bolt connection, bore hole on one side for M10 and on one side for M16, cross section: 70 - 240 mm², width: 53 mm, color: gray

Your advantages

- The UHV ... high-current connectors are available in several versions
- Versions are available with a cable lug or direct connection and there is a mixed version of both connection methods
- 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	1
GTIN	4 046356 578714
GTIN	4046356578714
Custom tariff number	85369010

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

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Technical data

General

Overvoltage category	III
Insulating material group	II
Maximum load current	415 A (with 240 mm² conductor cross section)
Nominal current I_N	415 A
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 mm²
Conductor cross section solid max.	240 mm²
Conductor cross section flexible min.	70 mm²
Conductor cross section flexible max.	240 mm²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	180 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	70 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	185 mm²
2 conductors with same cross section, solid min.	35 mm²
2 conductors with same cross section, solid max.	95 mm²
2 conductors with same cross section, stranded min.	50 mm²
2 conductors with same cross section, stranded max.	95 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	35 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	50 mm²
Cable lug connection according to standard	DIN 46234:1980-03
Min. cross section for cable lug connection	25 mm²
Max. cross section for cable lug connection	240 mm²

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Technical data

Connection data

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 mm²
Max. cross section for cable lug connection	185 mm²
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 mm²
Max. cross section for cable lug connection	240 mm²
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

Ambient conditions

Operating temperature	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

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

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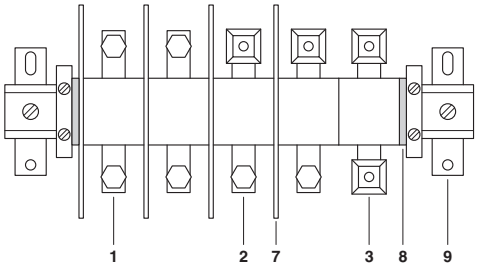
Drawings

Circuit diagram

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

Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410

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Classifications

UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

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

EAC EAC-Zulassung

EAC RU C-DE.BL08.B.00540