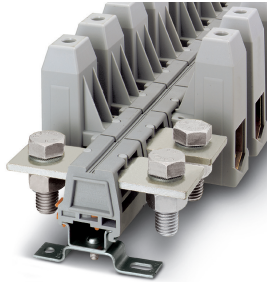


High Current Connectors - UHV240-KH/AS - 2130143

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Universal terminal block with mixed connection, cross section: 70 - 240 mm², width: 53 mm, color: gray


The figure shows a combination of versions UHV 240-AS/AS, UHV 240-KH/AS and UHV 240-KH/KH

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 052928
GTIN	4017918052928
Weight per Piece (excluding packing)	549.350 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	240 mm ²
Color	gray

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Technical data

General

Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II
Maximum power dissipation for nominal condition	13.78 W
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	415 A
Maximum load current	415 A (with 240 mm ² conductor cross section)
Nominal voltage U_N	1000 V
Connection in acc. with standard	IEC 60947-7-1
Open side panel	No

Dimensions

Length	126.5 mm
Width	53 mm
Height NS 35/15	105.5 mm

Connection data

Connection method	Bolt connection
Note	2-conductor connection only on terminal sleeve side
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
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

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Technical data

Connection data

Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Screw thread	M16
Power rail	40 mm x 5 mm
Connection method	Screw connection
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
Conductor cross section AWG min.	2/0
Conductor cross section AWG max.	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
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	35 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	50 mm ²
Stripping length	34 mm
Screw thread	M10
Tightening torque, min	25 Nm
Tightening torque max	30 Nm

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	CSA
	IEC 60947-7-1
	IEC 60947-7-1

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Technical data

Standards and Regulations

Flammability rating according to UL 94	V2
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

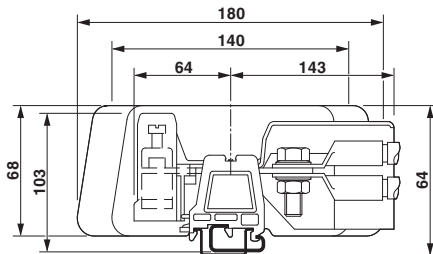
Pictogram



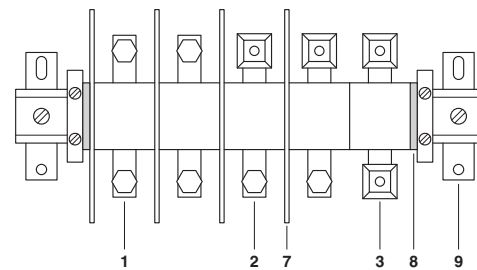
Circuit diagram



Dimensional drawing



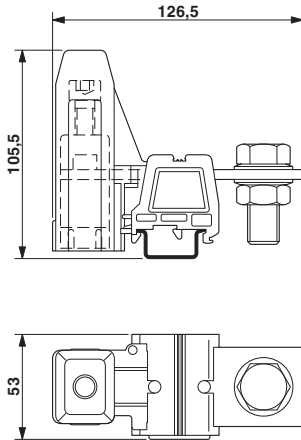
Schematic diagram



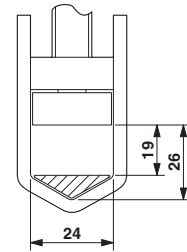
- 1 = high current connector, AS screw set on both sides
- 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side
- 3 = high current connector, terminal sleeves KH on both sides, for direct cable connection
- 7 = separating plate
- 8 = end piece
- 9 = flat bracket

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Dimensional drawing



Dimensional drawing



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 2.0	EC000897
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
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410

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Classifications

UNSPSC

UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals


Approvals


Approvals

CSA / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		400 A	
mm ² /AWG/kcmil		500	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		600 V	
Nominal current IN		380 A	
mm ² /AWG/kcmil		500	

EAC		RU C- DE.BL08.B.00540
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