

High Current Connectors - UHV 50-KH/M10 - 2130318

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Universal terminal block with bolt connection, cross section: 25 ... 50 mm², AWG: 6 ... 1/0, width: 32 mm, color: gray


The illustration shows a combination of versions UHV 50-AS/AS, UHV 50-KH/AS and UHV 50-KH/KH

Product Features

- 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	1 pc
GTIN	 4 017918 053093
Weight per Piece (excluding packing)	156.7 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	50 mm ²
Color	gray
Insulating material	PA-F

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Technical data

General

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	150 A (with 50 mm ² conductor cross section)
Nominal current I _N	150 A
Nominal voltage U _N	1000 V
Open side panel	No

Dimensions

Width	32 mm
Length	95 mm
Height NS 35/15	54.5 mm

Connection data

Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	26 mm ²
Conductor cross section solid max.	50 mm ²
Conductor cross section AWG min.	3
Conductor cross section AWG max.	1/0
Conductor cross section flexible min.	26 mm ²
Conductor cross section flexible max.	50 mm ²
Min. AWG conductor cross section, flexible	3
Max. AWG conductor cross section, flexible	1/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm ²
2 conductors with same cross section, solid min.	10 mm ²
2 conductors with same cross section, solid max.	16 mm ²
2 conductors with same cross section, stranded min.	10 mm ²
2 conductors with same cross section, stranded max.	16 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	10 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	16 mm ²
Cable lug connection according to standard	DIN 46,235

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Technical data

Connection data

Min. cross section for cable lug connection	16 mm ²
Max. cross section for cable lug connection	50 mm ²
Hole diameter, min.	10.5 mm
Bolt diameter	10 mm
Screw thread	M10
Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Cable lug connection according to standard	DIN 46 234
Min. cross section for cable lug connection	6 mm ²
Max. cross section for cable lug connection	50 mm ²
Hole diameter, min.	10.5 mm
Bolt diameter	10 mm
Screw thread	M10
Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Stripping length	26 mm
Tightening torque, min	6 Nm
Tightening torque max	8 Nm
Power rail	20 mm x 3 mm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	DIN 46,235
	DIN 46 234
Flammability rating according to UL 94	HB

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

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Classifications

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals


Approvals

CSA / UL Recognized / GL / EAC

Ex Approvals

Approvals submitted

Approval details

CSA 		
	B	C
mm ² /AWG/kcmil	6-1/0	6-1/0
Nominal current I _N	125 A	125 A
Nominal voltage U _N	600 V	600 V

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Approvals

UL Recognized	
mm ² /AWG/kcmil	6-1/0
Nominal current I _N	150 A
Nominal voltage U _N	600 V

GL

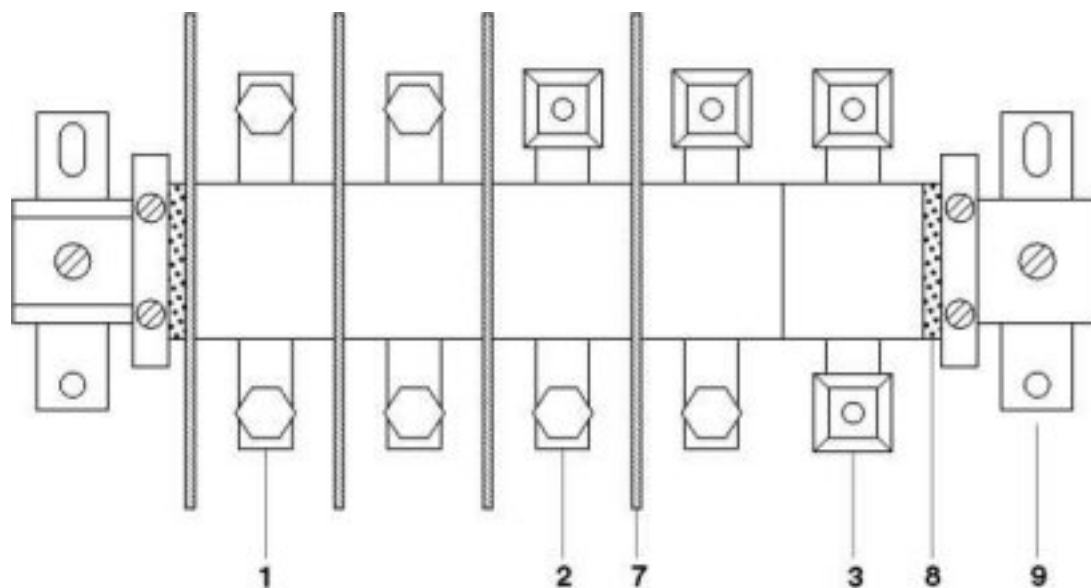
EAC

Drawings

Circuit diagram



Circuit 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