

## High Current Connectors - UHV 95-KH/M12 - 2130321

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Universal terminal block with bolt connection, cross section: 35 - 95 mm<sup>2</sup>, AWG: 2 - 4/0, width: 40 mm, color: gray


The illustration shows a combination of versions UHV 95-AS/AS, UHV 95-KH/AS and UHV 95-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 mm<sup>2</sup>



### Key commercial data

Packing unit	1 1
GTIN	 4 017918 053109
Weight per Piece (excluding packing)	287.36 GRM
Custom tariff number	85369010
Country of origin	India

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA-F
Inflammability class according to UL 94	HB
Maximum load current	232 A (with 95 mm <sup>2</sup> conductor cross section)

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## Technical data

### General

Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	II
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	232 A
Nominal voltage $U_N$	1000 V
Open side panel	nein

### Dimensions

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

### Connection data

Conductor cross section solid min.	25 mm <sup>2</sup>
Conductor cross section solid max.	95 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	4
Conductor cross section AWG/kcmil max.	3/0
Conductor cross section stranded min.	35 mm <sup>2</sup>
Conductor cross section stranded max.	95 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	2
Max. AWG conductor cross section, stranded	3/0
Conductor cross section stranded, with ferrule without plastic sleeve min.	35 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	95 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	35 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	95 mm <sup>2</sup>
2 conductors with same cross section, solid min.	25 mm <sup>2</sup>
2 conductors with same cross section, solid max.	35 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	25 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	35 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	35 mm <sup>2</sup>
Min. cross section for cable lug connection	25 mm <sup>2</sup>
Max. cross section for cable lug connection	95 mm <sup>2</sup>
Connection method	Bolt connection
Stripping length	29 mm

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## Technical data

### Connection data

Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Power rail	30 mm x 5 mm

## 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

### 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

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#### Approvals

CSA / UL Recognized / GOST / GL / GOST

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#### Ex Approvals

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# High Current Connectors - UHV 95-KH/M12 - 2130321

## Approvals

Approvals submitted

### Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	2	2
Nominal current I <sub>N</sub>	200 A	200 A
Nominal voltage U <sub>N</sub>	600 V	600 V

UL Recognized			
		B	C
mm <sup>2</sup> /AWG/kcmil	2	2	2
Nominal current I <sub>N</sub>	230 A	230 A	230 A
Nominal voltage U <sub>N</sub>	600 V	600 V	600 V

GOST	
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GL
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GOST
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## Accessories

Accessories

Bridge

## High Current Connectors - UHV 95-KH/M12 - 2130321

### Accessories

Connection rail - UHV 95-VS 3 - 2130648



Connection rail, Color: silver

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Connection rail - UHV 95-VS 2 - 2130635



Connection rail, Color: silver

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### Cover

Covering hood - UHV 95-AH - 2130457



Covering hood, Width: 36.8 mm, Height: 65.5 mm, Color: gray

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### End block

End clamp - E/AL-NS 32 - 1201659



End clamp, for end support of UKH 50 - UKH 240, is pushed onto DIN rail NS 32 and fixed with 2 screws, width: 10 mm, color: Aluminum

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End clamp - E/AL-NS 35 - 1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

## High Current Connectors - UHV 95-KH/M12 - 2130321

### Accessories

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#### Flange

End clamp - UHV -E - 2130428



End clamp, Width: 5.2 mm, Color: gray

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#### Labeled terminal marker

Zack marker strip - ZB 10 CUS - 0824941



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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Marker for terminal blocks - UC-TM 10 CUS - 0824605



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

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Marker for terminal blocks - UCT-TM 10 CUS - 0829623



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

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#### Mounting material

## High Current Connectors - UHV 95-KH/M12 - 2130321

### Accessories

Insertion profile - UKH 95 EP - 3009231



Insertion profile, Color: silver

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### Mounting rail

DIN rail - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

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DIN rail - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

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### Partition plate

Separating plate - UHV -TP2 - 2130415



Separating plate, Width: 2 mm, Height: 67.5 mm, Color: gray

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### Socket spanner

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### Accessories

Tool - VDE-ISS 6 - 1201934



Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm, for all terminal blocks with 8 mm Allen screw

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### Terminal marking

Marker cards - SBS10:UNBEDRUCKT - 1007248



Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Perforated, Mounting type: Snap into tall marker groove, Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 6 x 10.1 mm

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Zack marker strip - ZB 10:UNBEDRUCKT - 1053001



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 10.5 x 10.15 mm

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Marker for terminal blocks - UC-TM 10 - 0818069



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

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Marker for terminal blocks - UCT-TM 10 - 0829142



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm



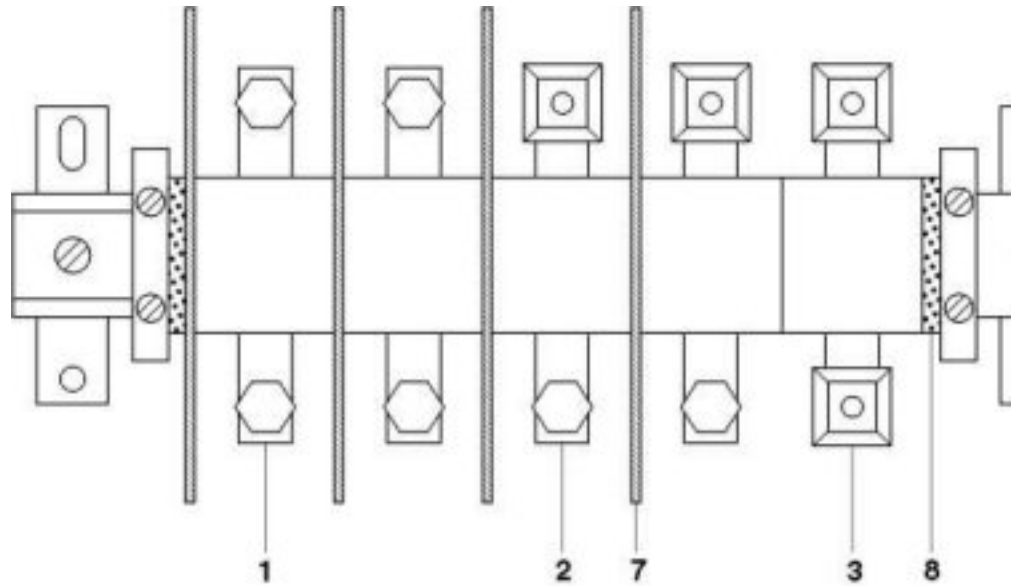
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## Drawings

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

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