

## 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                                 | <br>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) |

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

## 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 |  |
|------|--|

|    |
|----|
| GL |
|----|

|      |
|------|
| GOST |
|------|

## 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

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### 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

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

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

### 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



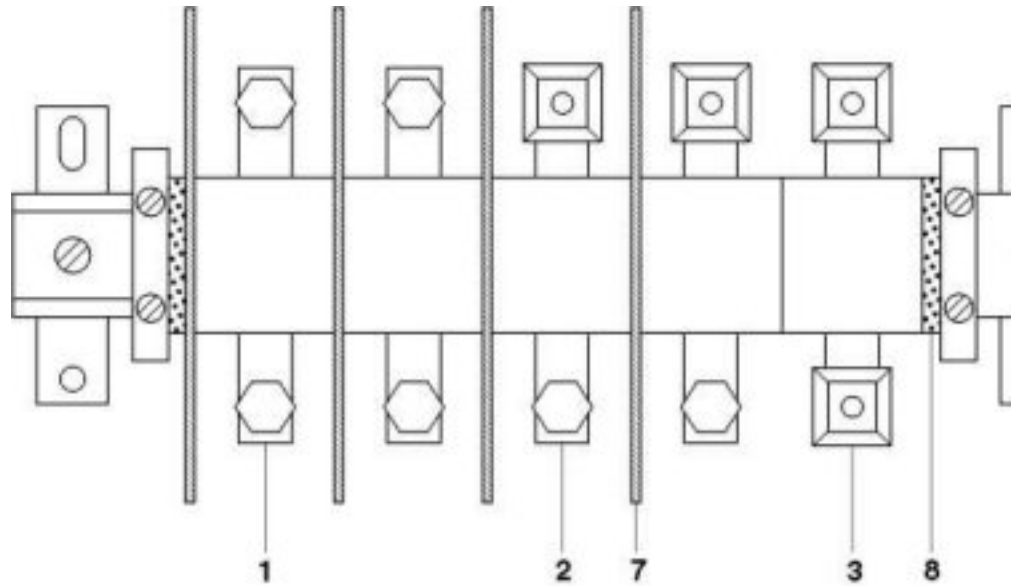
# High Current Connectors - UHV 95-KH/M12 - 2130321

## 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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