

## High Current Connectors - UHV150-KH/AS - 2130130

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Universal terminal block with mixed connection, cross section: 50 - 150 mm<sup>2</sup>, width: 46 mm, color: gray


The illustration shows a combination of versions UHV 150-AS/AS, UHV 150-KH/AS and UHV 150-KH/KH

### Why buy this product

- 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 mm<sup>2</sup>



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 10 pc   |
| GTIN                                 | <br>4 017918 052911 |
| Weight per Piece (excluding packing) | 395.8 g   |
| 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   |
| Rated surge voltage                     | 8 kV |
| Pollution degree                        | 3    |
| Surge voltage category                  | III  |
| Insulating material group               | II   |

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## Technical data

### General

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current $I_N$            | 309 A         |
| Nominal voltage $U_N$            | 1000 V        |
| Open side panel                  | nein          |

### Dimensions

|                 |        |
|-----------------|--------|
| Length          | 119 mm |
| Width           | 46 mm  |
| Height NS 35/15 | 100 mm |

### Connection data

|   |                     |
|---|---------------------|
| Conductor cross section solid min.  | 35 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 150 mm <sup>2</sup> |
| Conductor cross section stranded min.   | 50 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 150 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min.  | 2                   |
| Conductor cross section AWG/kcmil max   | 300 kcmil           |
| Conductor cross section stranded, with ferrule without plastic sleeve min.            | 50 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve max.            | 150 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve min.               | 50 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve max.               | 150 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.                                      | 50 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                   | 35 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 50 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 25 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 50 mm <sup>2</sup>  |
| Stripping length  | 34 mm               |
| Screw thread  | M10                 |
| Tightening torque, min  | 25 Nm               |
| Tightening torque max   | 30 Nm               |
| Connection method   | Bolt connection     |
| Connection in acc. with standard  | DIN 46,235          |
| Min. cross section  | 25 mm <sup>2</sup>  |
| Max. cross section  | 150 mm <sup>2</sup> |
| Hole diameter   | 13 mm               |
| Bolt diameter   | 12 mm               |
| Bolt thread   | M12                 |
| Tightening torque, min  | 25 Nm               |

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## Technical data

### Connection data

|                                  |                     |
|----------------------------------|---------------------|
| Tightening torque max            | 30 Nm               |
| Connection in acc. with standard | DIN 46 234          |
| Min. cross section               | 10 mm <sup>2</sup>  |
| Max. cross section               | 150 mm <sup>2</sup> |
| Hole diameter                    | 13 mm               |
| Bolt diameter                    | 12 mm               |
| Bolt thread                      | M12                 |
| Tightening torque, min           | 25 Nm               |
| Tightening torque max            | 30 Nm               |
| Power rail                       | 35 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 / PRS / GOST

# High Current Connectors - UHV150-KH/AS - 2130130

## Approvals

Ex Approvals

Approvals submitted

### Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 2-300 | 2-300 |
| Nominal current I <sub>N</sub> | 275 A | 275 A |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| UL Recognized                  |       |       |       |
|                                |       | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 2-300 | 2-300 | 2-300 |
| Nominal current I <sub>N</sub> | 285 A | 285 A | 285 A |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V | 600 V |

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

|     |
|-----|
| PRS |
|-----|

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

## Accessories

Accessories

Bridge

## High Current Connectors - UHV150-KH/AS - 2130130

### Accessories

Connection rail - UHV150-VS 3 - 2130664



Connection rail, Color: silver

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Connection rail - UHV150-VS 2 - 2130651



Connection rail, Color: silver

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### Cover

Covering hood - UHV150-AH - 2130460



Covering hood, Width: 43 mm, Height: 71 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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### Flange

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### Accessories

Flange cover - UHV -E - 2130428



Flange cover, Length: 43.3 mm, 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

Insertion profile - UKH 150/240 EP - 3009244



Insertion profile, Color: silver

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### Mounting rail

## High Current Connectors - UHV150-KH/AS - 2130130

### Accessories

DIN rail perforated - 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, unperforated - 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

Tool - VDE-ISS 8 - 1201947



Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm, for all terminal blocks with 10 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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# High Current Connectors - UHV150-KH/AS - 2130130

## Accessories

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

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

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

## Drawings

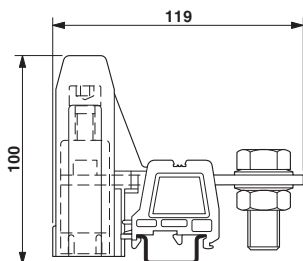
Pictogram



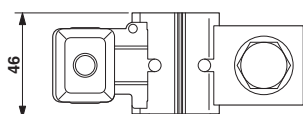
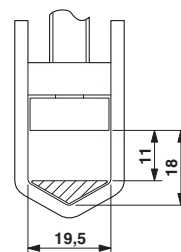
Circuit diagram



Dimensioned drawing

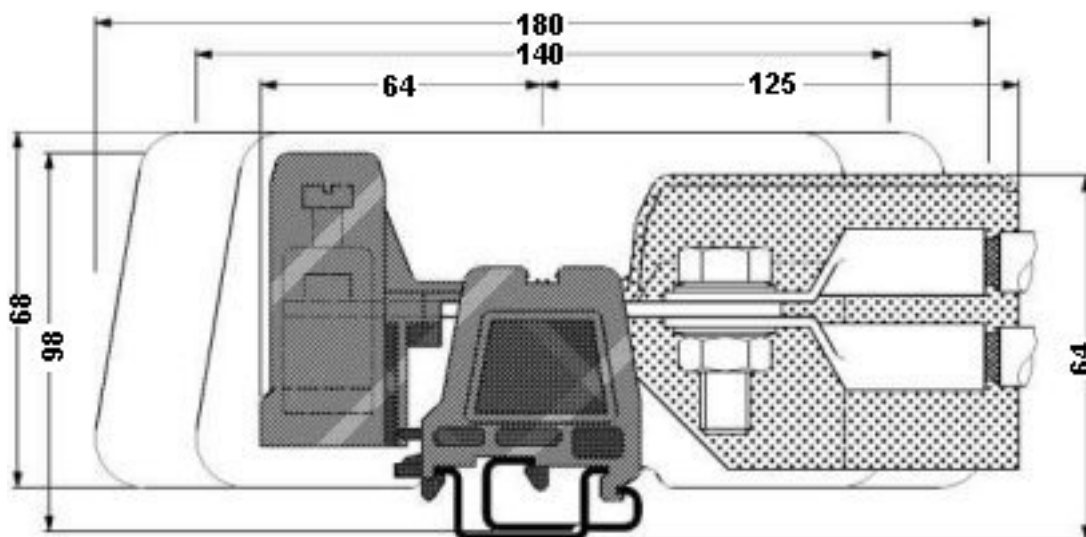


Dimensioned drawing

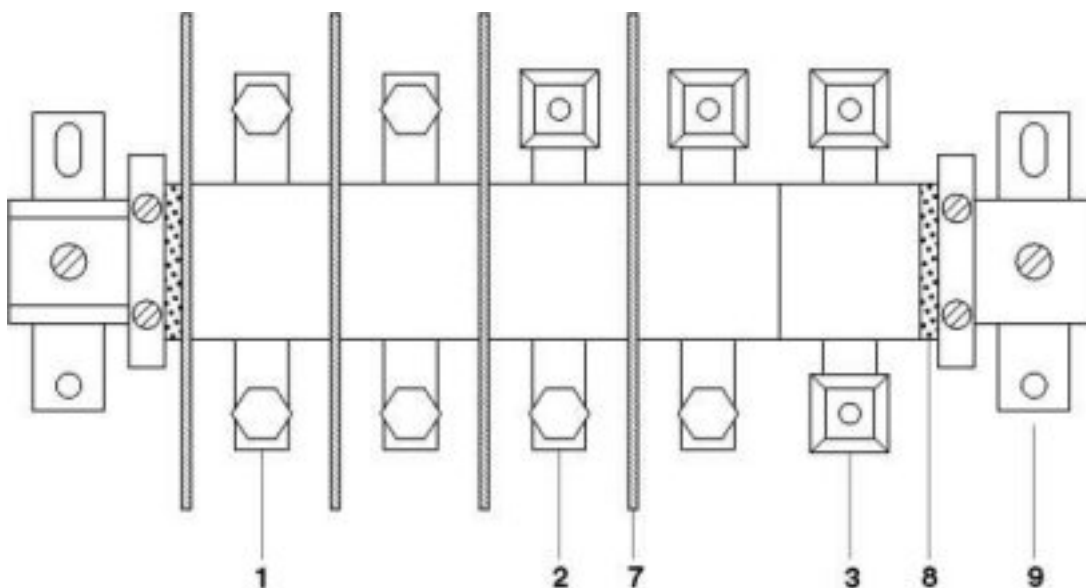


# High Current Connectors - UHV150-KH/AS - 2130130

Dimensioned drawing



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