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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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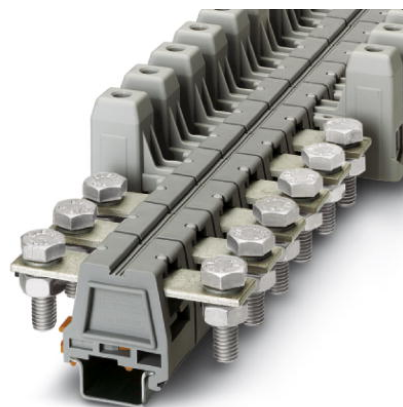
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UHV 50-KH/AS

Order No.: 2130114

The illustration shows a combination of versions UHV 50-AS/AS, UHV 50-KH/
AS and UHV 50-KH/KH<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2130114>Universal terminal block with mixed connection, cross section: 25 - 50
mm², AWG: 6 - 1/0, width: 32 mm, color: gray

Commercial data

| | |
|--------------------------|---|
| GTIN (EAN) |  4 017918 052898 |
| sales group | A005 |
| Pack | 10 pcs. |
| Customs tariff | 85369010 |
| Catalog page information | Page 324 (CL-2009) |

Product notes

WEEE/RoHS-compliant since:
02/08/2006

<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General

| | |
|------------------------------------|------|
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |
| Insulating material | PA-F |
| Inflammability class acc. to UL 94 | HB |

Dimensions

| | |
|-----------------|--------|
| Length | 104 mm |
| Width | 32 mm |
| Height NS 35/15 | 78 mm |

Technical data

| | |
|----------------------------------|---------------|
| 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 | 150 A |
| Nominal voltage U_N | 1000 V |

Connection data

| | |
|---|--------------------|
| Conductor cross section solid min. | 16 mm ² |
| Conductor cross section solid max. | 50 mm ² |
| Conductor cross section stranded min. | 25 mm ² |
| Conductor cross section stranded max. | 50 mm ² |
| Conductor cross section AWG/kcmil min. | 6 |
| Conductor cross section AWG/kcmil max | 1/0 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 50 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 25 mm ² |
| Conductor cross section stranded, 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 |

| | |
|------------------------|-------------------------------|
| Type of connection | Special and hybrid connection |
| Stripping length | 26 mm |
| Screw thread | M6 |
| Bolt diameter | 10 mm |
| Tightening torque, min | 6 Nm |
| Tightening torque max | 8 Nm |
| Busbar | 20 mm x 3 mm |

Certificates / Approvals



Certification CSA, GL, GOST, PRS, UL

Accessories

| Item | Designation | Description |
|-----------------|-------------------------------|---|
| Assembly | | |
| 1201659 | E/AL-NS 32 | 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 |
| 1201662 | E/AL-NS 35 | 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 |
| 1201028 | NS 32 AL UNPERF 2000MM | G rail 32 mm (NS 32) |
| 1201280 | NS 32 CU/120QMM UNPERF 2000MM | G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m |
| 1201358 | NS 32 CU/35QMM UNPERF 2000MM | G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m |
| 1201002 | NS 32 PERF 2000MM | G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m |
| 1201015 | NS 32 UNPERF 2000MM | G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m |
| 0801762 | NS 35/ 7,5 CU UNPERF 2000MM | DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m |
| 0801733 | NS 35/ 7,5 PERF 2000MM | DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m |

| | | |
|---------|----------------------------|---|
| 0801681 | NS 35/ 7,5 UNPERF 2000MM | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m |
| 1201756 | NS 35/15 AL UNPERF 2000MM | DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m |
| 1201895 | NS 35/15 CU UNPERF 2000MM | DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m |
| 1201730 | NS 35/15 PERF 2000MM | DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m |
| 1201714 | NS 35/15 UNPERF 2000MM | DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m |
| 1201798 | NS 35/15-2,3 UNPERF 2000MM | DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m |
| 2130428 | UHV -E | End clamp, Width: 5.2 mm, Color: gray |
| 2130402 | UHV -TP1 | Separating plate, Width: 2 mm, Height: 67.5 mm, Color: gray |
| 2130444 | UHV 50-AH | Covering hood, Color: gray |
| 5030897 | UHV 50-VS 2 | Connection rail, Color: silver |
| 2130622 | UHV 50-VS 3 | Connection rail, Color: silver |

Marking

| | | |
|---------|------------------|---|
| 1007248 | SBS10:UNBEDRUCKT | Marker cards, unprinted, for individual labeling with the M-PEN, 250-section, perforated, white plastic |
| 1050525 | ZB10:SO/CMS | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

Plug/Adapter

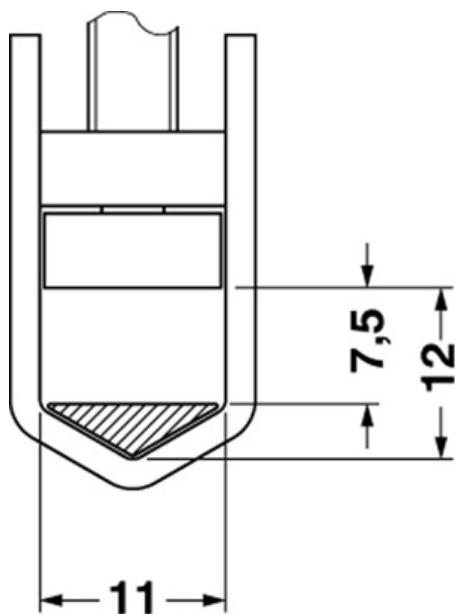
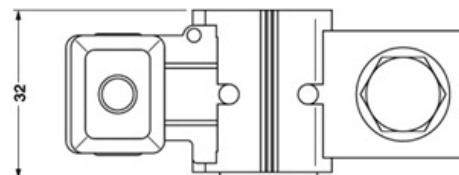
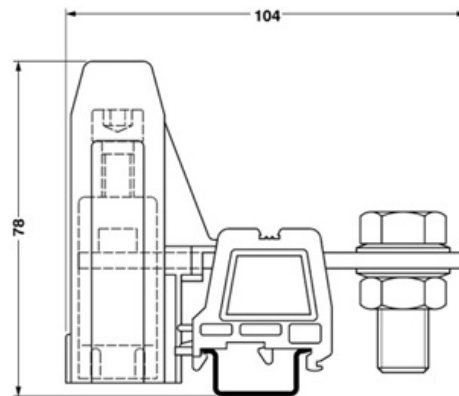
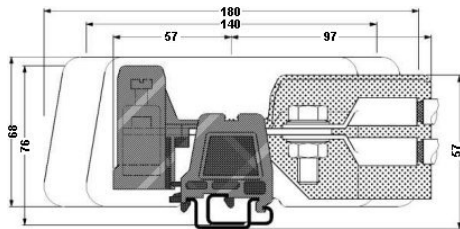
| | | |
|---------|-----------|----------------------------------|
| 3009228 | UKH 50 EP | Insertion profile, Color: silver |
|---------|-----------|----------------------------------|

Tools

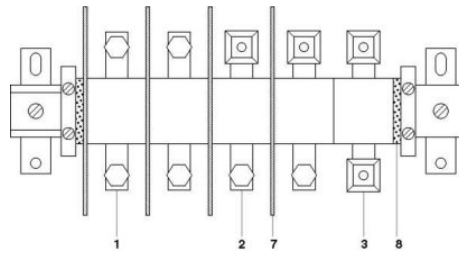
| | | |
|---------|-----------------|--|
| 1205082 | SZS 1,2X8,0 VDE | Screwdriver, bladed, VDE insulated, size: 1.2 x 8.0 x 175 mm, 2-component grip, with non-slip grip |
|---------|-----------------|--|

Diagrams/Drawings

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
- 7 = separating plate
- 8 = end piece

Address

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