

Feed-through terminal block - UHV 50-M10/M10 - 2130211

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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 1
GTIN	 4 017918 052997
Weight per Piece (excluding packing)	134.25 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	150 A (with 50 mm ² 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	150 A
Nominal voltage U_N	1000 V
Open side panel	nein

Dimensions

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

Connection data

Conductor cross section solid min.	26 mm ²
Conductor cross section solid max.	50 mm ²
Conductor cross section AWG/kcmil min.	3
Conductor cross section AWG/kcmil max.	1/0
Conductor cross section stranded min.	26 mm ²
Conductor cross section stranded max.	50 mm ²
Min. AWG conductor cross section, stranded	3
Max. AWG conductor cross section, stranded	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
Min. cross section for cable lug connection	16 mm ²
Max. cross section for cable lug connection	50 mm ²
Connection method	Bolt connection
Stripping length	26 mm

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Technical data

Connection data

Tightening torque, min	6 Nm
Tightening torque max	8 Nm
Power rail	20 mm x 3 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

Approvals

CSA / UL Recognized / GOST / GL / GOST

Ex Approvals

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Approvals

Approvals submitted

Approval details

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

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

GOST 
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GL

GOST 
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Accessories

Accessories

Bridge

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Accessories

Connection rail - UHV 50-VS 2 - 5030897



Connection rail, Color: silver

Connection rail - UHV 50-VS 3 - 2130622



Connection rail, Color: silver

Cover

Covering hood - UHV 50-AH - 2130444



Covering hood, Width: 28.8 mm, Height: 59 mm, Color: gray

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

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

Flange

End clamp - UHV -E - 2130428



End clamp, Width: 5.2 mm, Color: gray

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

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

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

Mounting material

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Accessories

Insertion profile - UKH 50 EP - 3009228



Insertion profile, Color: silver

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

Partition plate

Separating plate - UHV -TP1 - 2130402



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

Screwdriver tools

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Accessories

Screwdriver - SZS 1,2X8,0 VDE - 1205082



Screwdriver, slot-headed, VDE insulated, size: 1.2 x 8.0 x 175 mm, 2-component grip, with non-slip grip

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

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

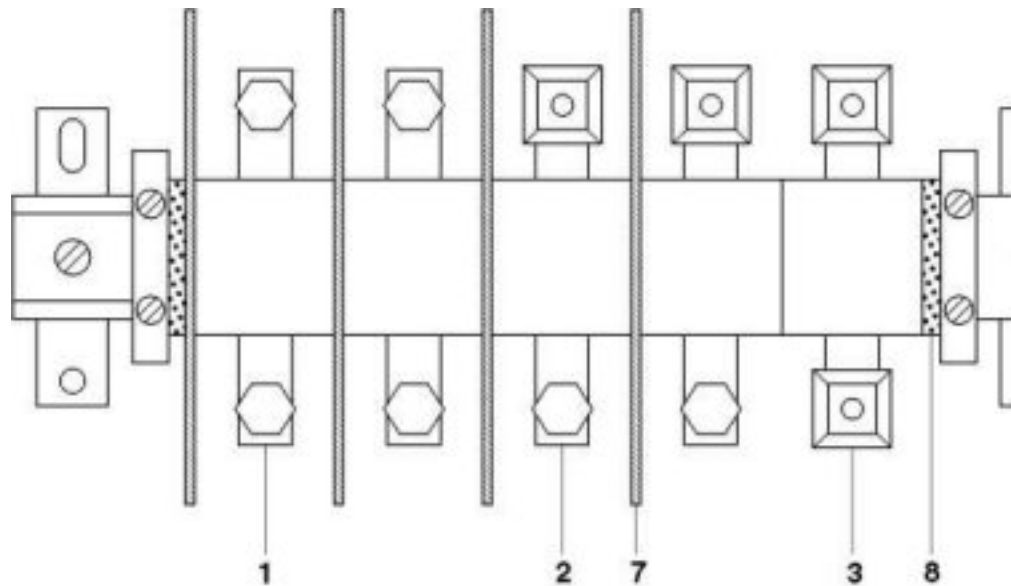
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Drawings

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