High Current Connectors - UHV 25-KH/AS - 2130101

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The illustration shows a combination of versions UHV 25-AS/AS, UHV 25-KH/AS and UHV 25-KH/KH

Universal terminal block with hybrid connection, cross section: 6 - 25 mm², AWG: 10 - 4, width: 26 mm, color: Gray

Product Features

- 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 mm²

Key commercial data

Packing unit	1 1
GTIN	4 017918 052881
Weight per Piece (excluding packing)	109.78 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
Rated surge voltage	8 kV

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Technical data

General

Pollution degree	3
Surge voltage category	III
Insulating material group	II
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	101 A
Nominal voltage U_N	1000 V
Open side panel	nein

Dimensions

Length	95 mm
Width	26 mm
Height NS 35/15	72 mm

Connection data

Conductor cross section solid min.	6 mm²
Conductor cross section solid max.	25 mm²
Conductor cross section stranded min.	10 mm²
Conductor cross section stranded max.	25 mm²
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	3
Conductor cross section stranded, with ferrule without plastic sleeve min.	4 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	4 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	25 mm²
2 conductors with same cross section, solid min.	2.5 mm²
2 conductors with same cross section, solid max.	10 mm²
2 conductors with same cross section, stranded min.	4 mm²
2 conductors with same cross section, stranded max.	10 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	2.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm²
Stripping length	21 mm
Screw thread	M5
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm
Connection method	Bolt connection
Connection in acc. with standard	DIN 46,235
Min. cross section	16 mm²

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Technical data

Connection data

Max. cross section	25 mm²
Hole diameter	8.4 mm
Bolt diameter	8 mm
Bolt thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Connection in acc. with standard	DIN 46 234
Min. cross section	2.5 mm²
Max. cross section	25 mm²
Hole diameter	8.4 mm
Bolt diameter	8 mm
Bolt thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Power rail	15 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

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Classifications

UNSPSC

UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

CSA / UL Recognized / GOST / GL / PRS / GOST

Ex Approvals

Approvals submitted

Approval details

CSA

	B	C
mm²/AWG/kcmil	6-4	6-4
Nominal current IN	100 A	100 A
Nominal voltage UN	600 V	600 V

UL Recognized

mm²/AWG/kcmil	6-4
Nominal current IN	85 A
Nominal voltage UN	600 V

GOST

GL

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Approvals

PRS

GOST

Accessories

Accessories

Bridge

Connection rail - UHV 25-VS 2 - 2130541



Connection rail, Number of positions: 2, Color: silver

Connection rail - UHV 25-VS 3 - 2130554



Connection rail, Number of positions: 3, Color: silver

Cover

Covering hood - UHV 25-AH - 2130431



Covering hood, Width: 22.8 mm, Height: 53.2 mm, Color: gray

End block

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Accessories

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

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

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Accessories

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 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 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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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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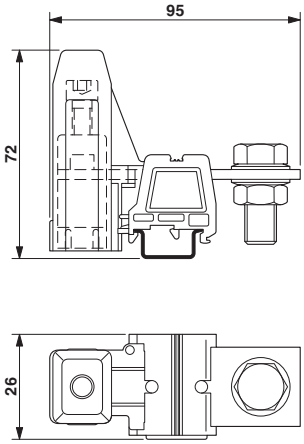
Drawings

Pictogram

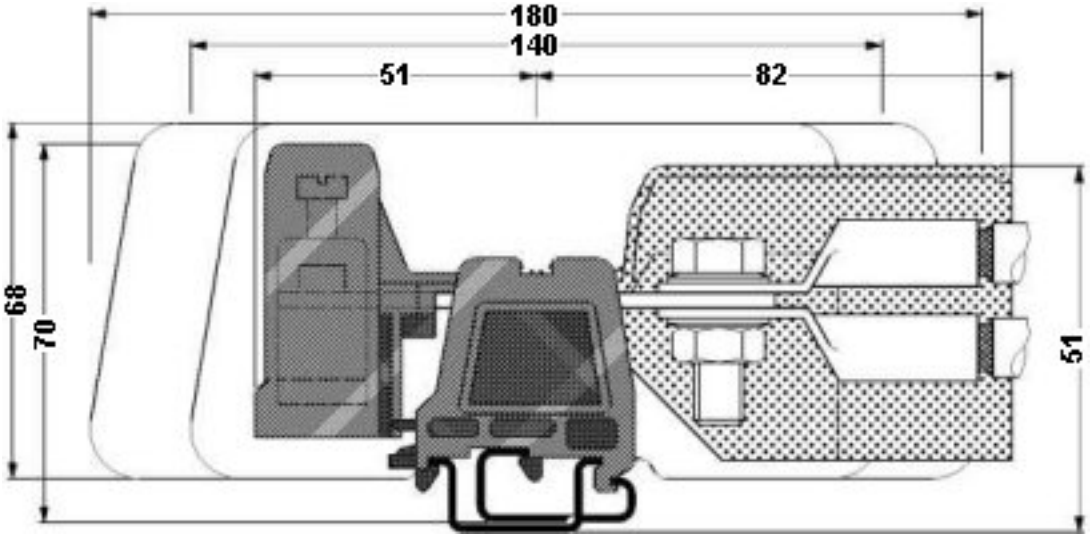


Circuit diagram

Dimensioned drawing

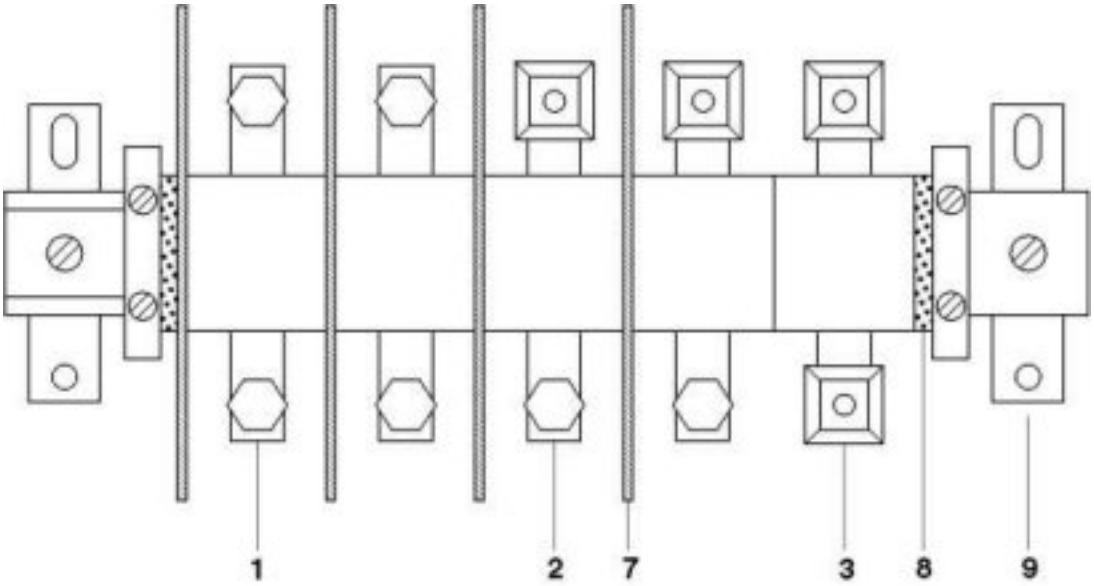


Dimensioned drawing



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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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