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High Current Connectors - UHV240-KH/M16 - 2130347

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Universal terminal block with bolt connection, cross section: 70 - 240 mm², width: 53 mm, color: gray

The illustration shows a combination of versions UHV 240-AS/AS, UHV 240-KH/AS and UHV 240-KH/KH

Product Features

☑ 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

☑ 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

Key commercial data

Packing unit	1 1
GTIN	4 017918 053123
Weight per Piece (excluding packing)	519.64 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	415 A (At 240 mm² 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	415 A
Nominal voltage U_N	1000 V
Open side panel	nein

Dimensions

Width	53 mm
Length	125 mm
Height NS 35/15	58 mm

Connection data

Conductor cross section solid min.	70 mm²
Conductor cross section solid max.	240 mm²
Conductor cross section AWG/kcmil min.	2/0
Conductor cross section AWG/kcmil max	500 kcmil
Conductor cross section stranded min.	70 mm²
Conductor cross section stranded max.	240 mm²
Min. AWG conductor cross section, stranded	2/0
Max. AWG conductor cross section, stranded	500 kcmil
Conductor cross section stranded, with ferrule without plastic sleeve min.	70 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	180 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	70 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	185 mm²
2 conductors with same cross section, solid min.	35 mm²
2 conductors with same cross section, solid max.	95 mm²
2 conductors with same cross section, stranded min.	50 mm²
2 conductors with same cross section, stranded max.	95 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	35 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	50 mm²
Min. cross section for cable lug connection	50 mm²
Max. cross section for cable lug connection	185 mm²
Connection method	Bolt connection
Stripping length	34 mm

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Technical data

Connection data

Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Power rail	40 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

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CSA / UL Recognized / GOST / GOST

Ex Approvals

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Approvals

Approvals submitted

Approval details

CSA (SP)

mm²/AWG/kcmil	500
Nominal current IN	400 A
Nominal voltage UN	600 V

UL Recognized

mm²/AWG/kcmil	500
Nominal current IN	380 A
Nominal voltage UN	600 V

GOST

GOST

Accessories

Accessories

Bridge

Connection rail - UHV240-VS 3 - 2130680

Connection rail, Color: silver

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Accessories

Connection rail - UHV240-VS 2 - 2130677

Connection rail, Color: silver

Cover

Covering hood - UHV240-AH - 2130473

Covering hood, Width: 49.8 mm, Height: 77 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

Flange

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Accessories

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

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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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Accessories

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

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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

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

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Accessories

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
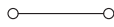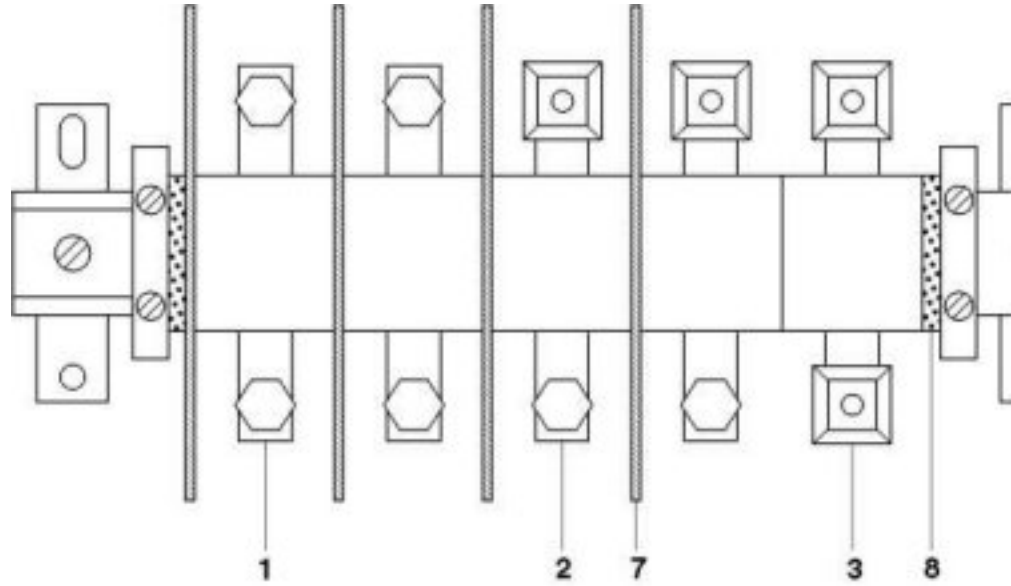
Drawings

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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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