

High Current Connectors - UHV240-M16/M16 - 2130240

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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

Why buy this product

- 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 STK
GTIN	 4 017918 053024
Weight per Piece (excluding packing)	444.65 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Color	gray

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Technical data

General

Insulating material	PA-F
Flammability rating according to UL 94	HB
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II
Maximum load current	415 A (At 240 mm ² conductor cross section)
Nominal current I _N	415 A
Nominal voltage U _N	1000 V
Open side panel	No

Dimensions

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

Connection data

Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	70 mm ²
Conductor cross section solid max.	240 mm ²
Conductor cross section AWG min.	2/0
Conductor cross section AWG max.	500 kcmil
Conductor cross section flexible min.	70 mm ²
Conductor cross section flexible max.	240 mm ²
Min. AWG conductor cross section, flexible	2/0
Max. AWG conductor cross section, flexible	500 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	70 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	180 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	70 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	185 mm ²
2 conductors with same cross section, solid min.	35 mm ²
2 conductors with same cross section, solid max.	95 mm ²
2 conductors with same cross section, stranded min.	50 mm ²
2 conductors with same cross section, stranded max.	95 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	35 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	50 mm ²

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Technical data

Connection data

Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	25 mm ²
Max. cross section for cable lug connection	240 mm ²
Hole diameter, min.	17 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque, min	30 Nm
Tightening torque max	35 Nm
Cable lug connection according to standard	DIN 46235
Min. cross section for cable lug connection	50 mm ²
Max. cross section for cable lug connection	185 mm ²
Hole diameter, min.	17 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque, min	30 Nm
Tightening torque max	35 Nm
Stripping length	34 mm
Tightening torque, min	25 Nm
Tightening torque max	30 Nm
Power rail	40 mm x 5 mm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	HB

Drawings

Circuit diagram



Circuit
diagram

1
=
high
current
connector.
AS
screw
set
on
both
sides



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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

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

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Classifications

eCl@ss

eCl@ss 9.0	27141120
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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 / EAC

Ex Approvals


Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	1/0-500
Nominal current I _N	400 A
Nominal voltage U _N	600 V

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Approvals

UL Recognized 	
mm²/AWG/kcmil	2/0-500
Nominal current I _N	380 A
Nominal voltage U _N	600 V

EAC

Accessories

Accessories

Bridge

Connection rail - UHV240-VS 2 - 2130677



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

Connection rail - UHV240-VS 3 - 2130680



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

Connector

Ring cable lug - C-RC 25/M16 DIN - 3240104



Ring cable lug, non-insulated, 25 mm², M16

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Accessories

Ring cable lug - C-RC 35/M16 DIN - 3240109



Ring cable lug, non-insulated, 35 mm², M16

Ring cable lug - C-RC 50/M16 DIN - 3240114



Ring cable lug, non-insulated, 50 mm², M16

Ring cable lug - C-RC 150/M16 DIN - 3240130



Ring cable lug, non-insulated, 150 mm², M16

Ring cable lug - C-RC 185/M16 DIN - 3240133



Ring cable lug, non-insulated, 185 mm², M16

Ring cable lug - C-RC 240/M16 DIN - 3240136



Ring cable lug, non-insulated, 240 mm², M16

Cover

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Accessories

Covering hood - UHV240-AH - 2130473



Covering hood, Width: 49.8 mm, Height: 77 mm, Color: gray

DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

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

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

Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Zack marker strip - ZB10,QR:FORTL.ZAHLEN - 1053027



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Zack marker strip - ZB10,LGS:GLEICHE ZAHLEN - 1053030



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Identical numbers 1 or 2, etc. up to 100, 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 - ZB10,LGS:L1-N,PE - 1053412



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, 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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Accessories

Marker for terminal blocks - ZB10,LGS:U-N - 1053438



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: U, V, W, N, GND, U, V, W, N, GND, 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

Insertion profile - UKH 150/240 EP - 3009244



Insertion profile, Color: silver

Partition plate

Separating plate - UHV -TP2 - 2130415



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

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Accessories

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

Terminal marking

Marker card - SBS10:UNBEDRUCKT - 1007248



Marker card, 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

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Accessories

Marker for terminal blocks - UCT-TM 10 - 0829142



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

Necessary add-on products

Flange cover - UHV -E - 2130428



Flange cover, Length: 43.3 mm, Width: 5.2 mm, Color: gray