![PHŒNIX CONTACT logo]

High Current Connectors - UHV240-KH/M16 - 2130347

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

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

Your advantages

☑ 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

☑ 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

![RoHS]

Key Commercial Data

Packing unit	1 pc
GTIN	(barcode) 4 017918 053123
GTIN	4017918053123
Weight per Piece (excluding packing)	519.640 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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High Current Connectors - UHV240-KH/M16 - 2130347

Technical data

General

Insulating material	PA
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 (with 240 mm² conductor cross section)
Nominal current I_N	415 A
Nominal voltage U_N	1000 V
Open side panel	No
Ambient temperature (operation)	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Dimensions

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

Connection data

Connection method	Screw connection
Screw thread	M16
Stripping length	34 mm
Tightening torque, min	30 Nm
Tightening torque max	35 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	70 mm²
Conductor cross section solid max.	240 mm²
Conductor cross section AWG min.	2/0
Conductor cross section AWG max.	500 kcmil
Conductor cross section flexible min.	70 mm²
Conductor cross section flexible max.	240 mm²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	180 mm²

High Current Connectors - UHV240-KH/M16 - 2130347

Technical data

Connection data

Conductor cross section flexible, with ferrule with plastic sleeve min.	70 mm²
Conductor cross section flexible, 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
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	35 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	50 mm²
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

Environmental Product Compliance

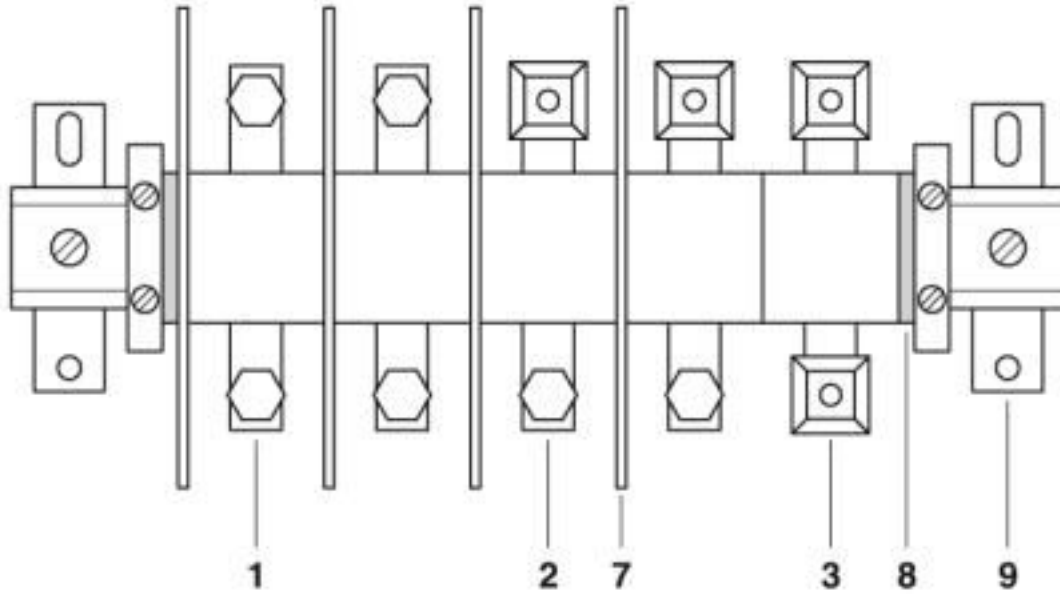|	
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram

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High Current Connectors - UHV240-KH/M16 - 2130347

Schematic 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

Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897

High Current Connectors - UHV240-KH/M16 - 2130347

Classifications

ETIM

ETIM 5.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN	600 V		
Nominal current IN	400 A		
mm²/AWG/kcmil	500		

High Current Connectors - UHV240-KH/M16 - 2130347

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		600 V	
Nominal current IN		380 A	
mm²/AWG/kcmil		500	

EAC		EAC-Zulassung

EAC		RU C-DE.BL08.B.00540

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

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

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

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

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

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

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

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

Cover

Covering hood - UHV240-AH - 2130473

Covering hood, length: 137.4 mm, width: 49.8 mm, height: 77 mm, color: gray

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DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002

DIN rail perforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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

DIN rail, unperforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

PHŒNIX CONTACT

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602

DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM - 1204135

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599

DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

End cap - NS 35/15 CAP - 1206573

DIN rail end piece, for DIN rail NS 35/15

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798

DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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

PHŒNIX CONTACT

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

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

End clamp - CLIPFIX 15 - 3022263

Snap-on end bracket, to be snapped onto NS 15 DIN rail

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 size: 10.15 x 10.5 mm, Number of individual labels: 10

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

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

PHŒNIX CONTACT

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

Marker for terminal blocks - ZB10,LGS:L1-N,PE - 1053412

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-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 size: 10.15 x 10.5 mm, Number of individual labels: 10

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

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-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 size: 10.15 x 10.5 mm, Number of individual labels: 10

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 size: 9.6 x 10.5 mm, Number of individual labels: 48

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 size: 8.9 x 9.6 mm, Number of individual labels: 36

Mounting material

Insertion profile - UKH 150/240 EP - 3009244

Insertion profile, color: silver

PHŒNIX CONTACT

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

Partition plate

Separating plate - UHV -TP2 - 2130415

Separating plate, length: 180.2 mm, width: 2 mm, height: 68.3 mm, color: gray

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Terminal marking

Marker card - SBS10:UNBEDRUCKT - 1007248

Marker card, Card, white, unlabeled, can be labeled with: Marker pen, perforated, mounting type: snap into tall marker groove, snap into flat marker groove, for terminal block width: 10 mm, lettering field size: 6 x 10.1 mm, Number of individual labels: 250

Zack marker strip - ZB 10:UNBEDRUCKT - 1053001

Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.5 x 10.15 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 10 - 0818069

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

Marker for terminal blocks - UCT-TM 10 - 0829142

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

High Current Connectors - UHV240-KH/M16 - 2130347

Accessories

Necessary add-on products

Flange cover - UHV -E - 2130428

Flange cover, length: 43.3 mm, width: 5.2 mm, color: gray