

## High Current Connectors - UKH 150 - 3010110

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High Current Connectors, Connection method: Screw connection, Cross section: 35 mm<sup>2</sup> - 150 mm<sup>2</sup>, AWG: 2 - 300 kcmil, Width: 31 mm, Height: 107.3 mm, Color: gray, Mounting type: NS 35/15, NS 32

### Why buy this product

- ✓ Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- ✓ Low contact resistance of the contact surface due to ribbing
- ✓ Screw locking by means of spring-loaded elements in the clamping part



### Key commercial data

Packing unit	10 pc
GTIN	 4 017918 091842
Weight per Piece (excluding packing)	360.67 g
Weight per piece (including packing)	364.17 g
Custom tariff number	85369010
Country of origin	Poland
Sales Key	A1 - Terminal Strips

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	309 A (with 150 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III

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## Technical data

### General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	309 A
Nominal voltage $U_N$	1000 V
Open side panel	nein

### Dimensions

Width	31 mm
Length	100 mm
Height	107.3 mm
Height NS 35/15	118.5 mm
Height NS 32	116 mm

### Connection data

Note	Screws with hexagonal socket
Connection in acc. with standard	IEC 60947-7-1
Connection method	Screw connection
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Conductor cross section solid min.	35 mm <sup>2</sup>
Conductor cross section solid max.	150 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	2
Conductor cross section AWG/kcmil max.	300 kcmil
Conductor cross section stranded min.	50 mm <sup>2</sup>
Conductor cross section stranded max.	150 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	1/0
Max. AWG conductor cross section, stranded	300 kcmil
Conductor cross section stranded, with ferrule without plastic sleeve min.	50 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	150 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	50 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	150 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	150 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	120 mm <sup>2</sup>
2 conductors with same cross section, solid min.	25 mm <sup>2</sup>
2 conductors with same cross section, solid max.	50 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	35 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	50 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	50 mm <sup>2</sup>

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## Technical data

### Connection data

Cross section with insertion bridge, solid max.	150 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	120 mm <sup>2</sup>
Stripping length	40 mm
Internal cylindrical gage	B14
Screw thread	M10
Tightening torque, min	25 Nm
Tightening torque max	30 Nm

## 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

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#### Approvals

CSA / UL Recognized / GOST / DNV / RS / PRS / GOST

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#### Ex Approvals

IECEX / ATEX / FM approved / UL Recognized / cUL Recognized / cULus Recognized

# High Current Connectors - UKH 150 - 3010110

## Approvals

Approvals submitted

### Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	2-300	2-300
Nominal current IN	275 A	275 A
Nominal voltage UN	600 V	600 V

UL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	2-300	2-300
Nominal current IN	285 A	285 A
Nominal voltage UN	600 V	600 V

GOST		
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DNV		
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RS		
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PRS		
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GOST		
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## Accessories

Accessories

Bridge

# High Current Connectors - UKH 150 - 3010110

## Accessories

Insertion bridge - EB 3-31/UKH - 0201391



Insertion bridge, Number of positions: 3, Color: gray

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Insertion bridge - EB 2-31/UKH - 0201388



Insertion bridge, Number of positions: 2, Color: gray

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## 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

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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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## Labeled terminal marker

Warning label - WS-2K - 1004513



Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version - "Vorsicht Spannung - Attention Danger" size of label: 32 x 26 mm

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## High Current Connectors - UKH 150 - 3010110

### Accessories

Zack marker strip - ZB 22 CUS - 0824949



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 22 mm, Lettering field: 10.5 x 21.8 mm

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Marker for terminal blocks - ZB 22,LGS:L1-N,PE - 0811875



Marker for terminal blocks, Strip, white, labeled, Printed horizontally: L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 22 mm, Lettering field: 10.5 x 21.8 mm

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### Mounting material

Insertion profile - UKH 150/240 EP - 3009244



Insertion profile, Color: silver

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### Mounting 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

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DIN rail, unperforated - 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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### Accessories

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



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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### Accessories

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



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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End cap - NS 35/15 CAP - 1206573



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

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Pick-off terminal block

Pick-off terminal block - AGK 10-UKH 150/240 - 3003554



Pick-off terminal block, Connection method: Special and hybrid connection, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 10.2 mm, Height: 34.7 mm, Color: gray, Mounting type: On base element

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Terminal marking



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## Accessories

Zack marker strip - ZB 22:UNBEDRUCKT - 0811862



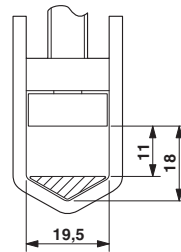
Zack marker strip, Strip, white, Unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 22 mm, Lettering field: 10.5 x 21.8 mm

## Drawings

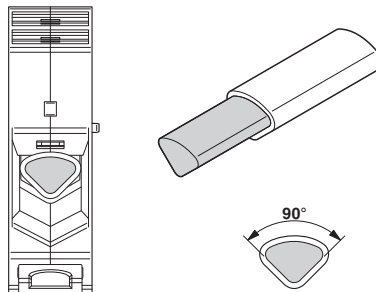
Circuit diagram



Dimensioned drawing



Schematic diagram



Connecting aluminum cables. Further notes can be found in the download area