

## High-current terminal block - UKH 150 - 3010110

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High-current terminal block, 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

### Product Features

- 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	1 pc
GTIN	
Weight per Piece (excluding packing)	370.0 g
Custom tariff number	85369010
Country of origin	China

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	150 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV

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## Technical data

### General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	309 A (with 150 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	309 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	No

### 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 method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
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 min.	2
Conductor cross section AWG max.	300 kcmil
Conductor cross section flexible min.	50 mm <sup>2</sup>
Conductor cross section flexible max.	150 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	1/0
Max. AWG conductor cross section, flexible	300 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	50 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	150 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	50 mm <sup>2</sup>
Conductor cross section flexible, 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>

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## Technical data

### Connection data

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>
Cross section with insertion bridge, solid max.	150 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	120 mm <sup>2</sup>
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	35 mm <sup>2</sup>
Conductor cross section solid max.	150 mm <sup>2</sup>
Conductor cross section AWG min.	2
Conductor cross section AWG max.	300
Conductor cross section flexible min.	50 mm <sup>2</sup>
Conductor cross section flexible max.	150 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

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0

## 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
eCl@ss 9.0	27141120

### ETIM

ETIM 2.0	EC000897
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## Classifications

### ETIM

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 / DNV / RS / PRS / EAC / EAC

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#### Ex Approvals


IECEX / ATEX / UL Recognized / cUL Recognized / EAC Ex / cULus Recognized

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#### Approvals submitted

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## Approval details

CSA 		
	B	C
mm <sup>2</sup> /AWG/kcmil	2-300	2-300
Nominal current I <sub>N</sub>	275 A	275 A
Nominal voltage U <sub>N</sub>	600 V	600 V

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## Approvals

UL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	2-300	2-300
Nominal current I <sub>N</sub>	285 A	285 A
Nominal voltage U <sub>N</sub>	600 V	600 V

DNV

RS

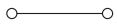
PRS

EAC

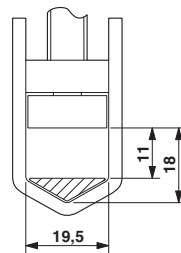
EAC

## Drawings

Circuit diagram

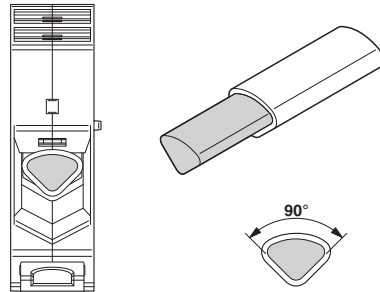


Dimensional drawing



## High-current terminal block - UKH 150 - 3010110

Schematic diagram



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

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