

## UKH 50

Order No.: 3009118



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3009118>

Feed-through modular terminal block, Type of connection: Screw connection, Screw connection, Cross section: 16 mm<sup>2</sup> - 70 mm<sup>2</sup>, AWG 6 - 2/0, Width: 20 mm, Color: gray, Mounting type: NS 35/15, NS 32



Commercial data	
EAN	4017918091644
Pack	10 pcs.
Customs tariff	85369010
Weight/Piece	0.12037 KG
Catalog page information	Page 30 (CL-2009)

#### Product notes

WEEE/RoHS-compliant since:  
09/01/2005



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#### Technical data

##### General

Number of levels	1
Number of connections	2
Color	gray

Insulating material	PA
Inflammability class acc. to UL 94	V0

**Dimensions**

Width	20 mm
Length	70.5 mm
Height NS 35/15	83.5 mm
Height NS 32	81.5 mm

**Technical data**

Maximum load current	150 A (with 50 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	150 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	nein

**Connection data**

Conductor cross section solid min.	16 mm <sup>2</sup>
Conductor cross section solid max.	70 mm <sup>2</sup>
Conductor cross section stranded min.	25 mm <sup>2</sup>
Conductor cross section stranded max.	70 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	6
Conductor cross section AWG/kcmil max	2/0
Conductor cross section stranded, with ferrule without plastic sleeve min.	25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	50 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	50 mm <sup>2</sup>
2 conductors with same cross section, solid min.	10 mm <sup>2</sup>
2 conductors with same cross section, solid max.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	10 mm <sup>2</sup>

2 conductors with same cross section, stranded max.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	16 mm <sup>2</sup>
Type of connection	Screw connection
Stripping length	24 mm
Internal cylindrical gage	B10
Screw thread	M6
Tightening torque, min	6 Nm
Tightening torque max	8 Nm

### Certificates / Approvals



Certification CSA, CUL, DNV, UL

Certification Ex: CUL-EX, UL-EX

#### CSA

Nominal voltage $U_N$	600 V
Nominal current $I_N$	150 A
AWG/kcmil	6-1/0

#### CUL

Nominal voltage $U_N$	600 V
Nominal current $I_N$	150 A
AWG/kcmil	6-1/0

#### UL

Nominal voltage $U_N$	600 V
Nominal current $I_N$	150 A
AWG/kcmil	6-1/0

<b>Accessories</b>		
Item	Designation	Description
<b>Assembly</b>		
3001763	AGK 10-UKH 50	Pick-off terminal block, Type of connection: Special and hybrid connection, Cross section: 0.5 mm <sup>2</sup> - 16 mm <sup>2</sup> , AWG 20 - 6, Width: 10.2 mm, Height: 34.7 mm, Color: gray
1201659	E/AL-NS 32	End bracket, 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
1201662	E/AL-NS 35	End bracket, 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
1201028	NS 32 AL UNPERF 2000MM	G rail 32 mm (NS 32)
1201280	NS 32 CU/120QMM UNPERF 2000MM	G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m
1201358	NS 32 CU/35QMM UNPERF 2000MM	G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m
1201002	NS 32 PERF 2000MM	G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m
1201015	NS 32 UNPERF 2000MM	G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m
1201756	NS 35/15 AL UNPERF 2000MM	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1201730	NS 35/15 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m
<b>Bridges</b>		
0201346	FBI 2-20	Cross connector/bridge, Number of positions: 2, Color: silver
0201317	FBI 3-20	Cross connector/bridge, Number of positions: 3, Color: silver
<b>Marking</b>		
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
5060883	ZB10/WH-100:UNBEDRUCKT	Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 10.2 mm, color: White

1050525	ZB10:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements
1050525	ZB10:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements

**Plug/Adapter**

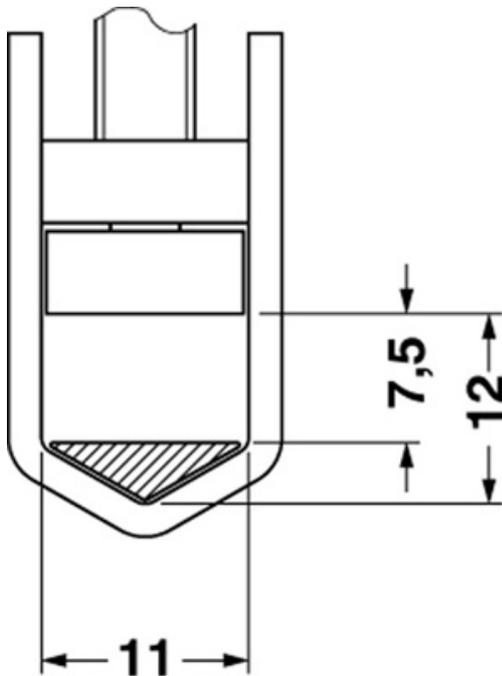
3009228	UKH 50 EP	Insertion profile, Color: silver
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**Tools**

1205082	SZS 1,2X8,0	Screwdriver, bladed, matches all screw terminal blocks with 35 mm <sup>2</sup> up to 70 mm <sup>2</sup> connection cross section, blade width: 8.0 mm
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**Diagrams/Drawings**

Dimensioned drawing



Circuit diagram



Approbationslogos (EX-Bereich)

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