

# UKH 50-3L - High-current terminal block



3076634

<https://www.phoenixcontact.com/pc/products/3076634>

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High-current terminal block, nom. voltage: 1000 V, nominal current: 150 A, number of connections: 6, number of positions: 3, connection method: Screw connection, Rated cross section: 50 mm<sup>2</sup>, cross section: 16 mm<sup>2</sup> - 70 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, NS 35/15-2,3, color: gray

## Commercial data

Item number	3076634
Packing unit	3 pc
Minimum order quantity	1 pc
Product key	BE1311
Catalog page	Page 257 (C-1-2017)
GTIN	4046356707084
Weight per piece (including packing)	364 g
Weight per piece (excluding packing)	364 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

Product type	High current terminal block
Number of positions	3
Number of connections	6
Number of rows	1
Potentials	3

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
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### Connection data

Number of connections per level	6
Nominal cross section	50 mm <sup>2</sup>

### Level 1 above 1 below 1

Screw thread	M6
Tightening torque	6 ... 8 Nm
Stripping length	24 mm
Internal cylindrical gage	B10
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	16 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Cross section AWG	6 ... 2/0 (converted acc. to IEC)
Conductor cross section flexible	25 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	3 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
2 conductors with same cross section, solid	10 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with same cross section, flexible	10 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	10 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Nominal current	150 A
Maximum load current	150 A (with 50 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Nominal cross section	50 mm <sup>2</sup>

## Dimensions

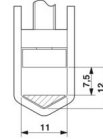
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Dimensional drawing



Width

60 mm

## Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Mechanical properties

### Mechanical data

Open side panel	No
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## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32
	NS 35/15-2,3

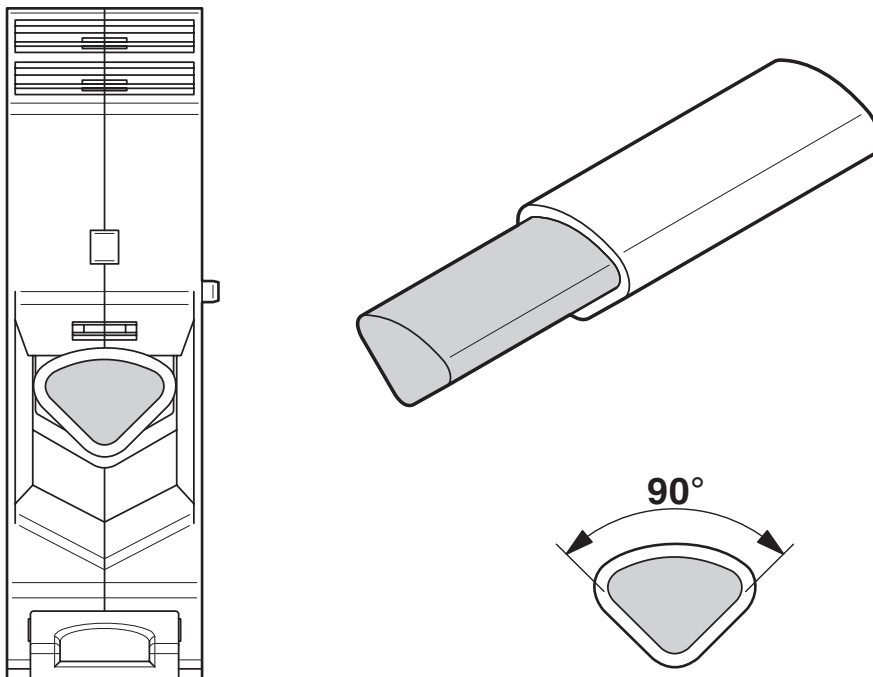
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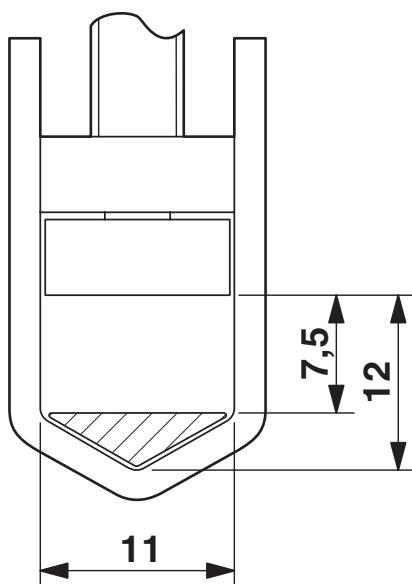
## Drawings

Schematic diagram



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

Dimensional drawing



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Circuit diagram



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## Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstraße 8  
D-32825 Blomberg  
+49 (0) 5235-3 00  
[info@phoenixcontact.com](mailto:info@phoenixcontact.com)