

3076549

<https://www.phoenixcontact.com/us/products/3076549>

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High-current terminal block, nom. voltage: 1000 V, nominal current: 309 A, number of connections: 8, number of positions: 4, connection method: Screw connection, Rated cross section: 150 mm², cross section: 35 mm² - 150 mm², mounting type: direct screw connection, color: gray/blue

Commercial data

Item number	3076549
Packing unit	2 pc
Minimum order quantity	1 pc
Product key	BE1311
Catalog page	Page 265 (C-1-2017)
GTIN	4046356654128
Weight per piece (including packing)	1,534.9 g
Weight per piece (excluding packing)	1,534.9 g
Country of origin	PL

UKH 150-3L/N-F - High-current terminal block



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Technical data

Product properties

Product type	High current terminal block
Number of positions	4
Number of connections	8
Number of rows	1
Potentials	4

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	8
Nominal cross section	150 mm ²

Level 1 above 1 below 1

Screw thread	M10
Note	Screws with hexagonal socket
Tightening torque	25 ... 30 Nm
Stripping length	40 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	35 mm ² ... 150 mm ²
Cross section AWG	2 ... 300 kcmil (converted acc. to IEC)
Conductor cross section flexible	50 mm ² ... 150 mm ²
Conductor cross section, flexible [AWG]	1/0 ... 300 kcmil (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	50 mm ² ... 150 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	50 mm ² ... 150 mm ²
Cross-section with insertion bridge, rigid	150 mm ²
Cross-section with insertion bridge, flexible	120 mm ²
2 conductors with same cross section, solid	25 mm ² ... 50 mm ²
2 conductors with same cross section, flexible	35 mm ² ... 50 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	25 mm ² ... 50 mm ²
Nominal current	309 A
Maximum load current	309 A (with 150 mm ² 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	150 mm ²

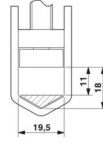
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Dimensions

Dimensional drawing	
Width	124 mm
Height	111 mm

Material specifications

Color	gray/blue
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

Standards and regulations

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

Mounting type	direct screw connection
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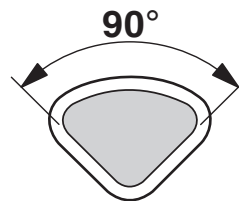
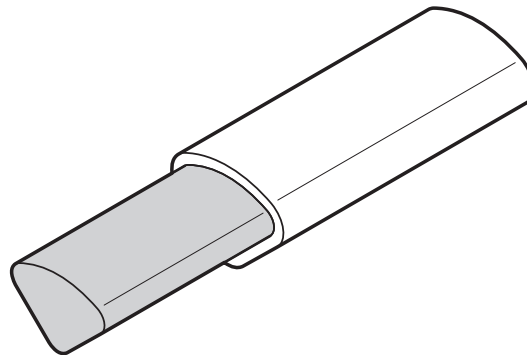
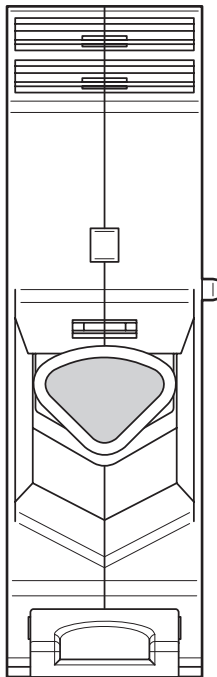
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Drawings

Schematic diagram



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

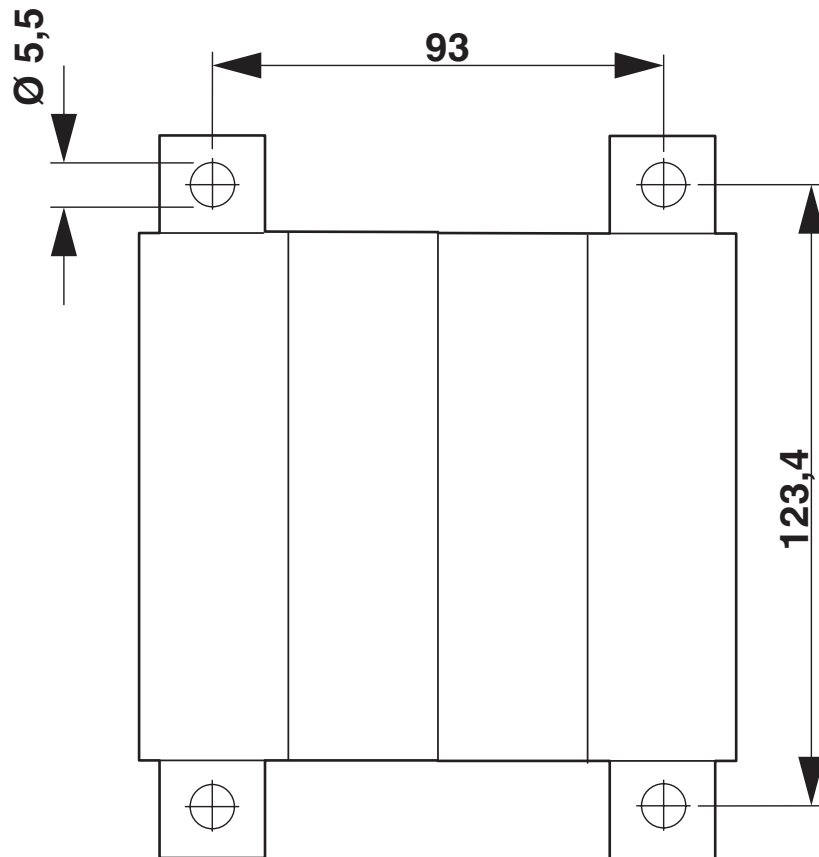
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Dimensional drawing



Circuit diagram



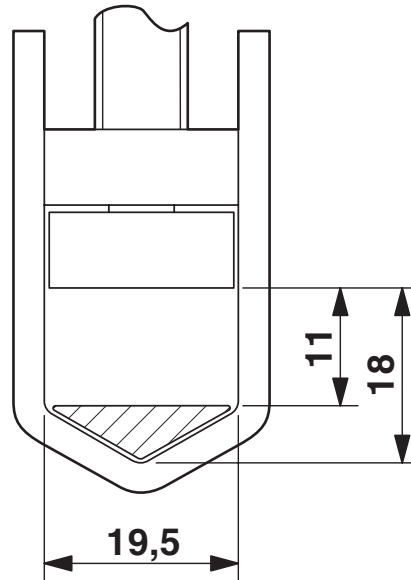
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Dimensional drawing



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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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Accessories

i Note: Applying some accessories below might limit this product.

EB 3-31/UKH - Insertion bridge

0201391

<https://www.phoenixcontact.com/us/products/0201391>



Insertion bridge, pitch: 31 mm, number of positions: 3, color: gray

i Max. current carrying capacity: 232 A

EB 2-31/UKH - Insertion bridge

0201388

<https://www.phoenixcontact.com/us/products/0201388>



Insertion bridge, pitch: 31 mm, number of positions: 2, color: gray

i Max. current carrying capacity: 232 A

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WS-2K - Warning label

1004513

<https://www.phoenixcontact.com/us/products/1004513>

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



UKH 150/240 EP - Insertion profile

3009244

<https://www.phoenixcontact.com/us/products/3009244>

Insertion profile, color: silver



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

3003554

<https://www.phoenixcontact.com/us/products/3003554>



Pick-off terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 1, connection method: Screw connection, Rated cross section: 10 mm², cross section: 0.5 mm² - 10 mm², mounting type: on base element, color: gray

ZB 22:UNBEDRUCKT - Zack marker strip

0811862

<https://www.phoenixcontact.com/us/products/0811862>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 22 mm, lettering field size: 10.5 x 21.8 mm, Number of individual labels: 4

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ZB 22 CUS - Zack marker strip

0824949

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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 size: 10.5 x 21.8 mm, Number of individual labels: 4

ZB 22,LGS:L1-N,PE - Zack marker strip

0811875

<https://www.phoenixcontact.com/us/products/0811875>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 22 mm, lettering field size: 10.5 x 21.8 mm, Number of individual labels: 50

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TMT 10 R - Marker for terminal blocks

0816210

<https://www.phoenixcontact.com/us/products/0816210>



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, perforated, mounting type: snapped, snap into flat marker groove, for terminal block width: 10.2 mm, lettering field size: 6.35 x 10.15 mm, Number of individual labels: 10000

TMT 10 R CUS - Marker for terminal blocks

0824500

<https://www.phoenixcontact.com/us/products/0824500>



Marker for terminal blocks, can be ordered: by line, white, labeled according to customer specifications, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 10.2 mm, lettering field size: 6.35 x 10.15 mm

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ZB 25:UNPRINTED - Zack marker strip

0802751

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Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Marker pen, mounting type: snapped, for terminal block width: 25 mm, lettering field size: 25 x 10 mm, Number of individual labels: 4

ZB 25 CUS - Zack marker strip

0802752

<https://www.phoenixcontact.com/us/products/0802752>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 25 mm, lettering field size: 25 x 10 mm, Number of individual labels: 4

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