

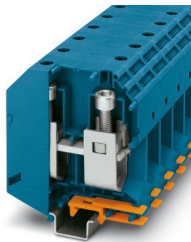
UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



High-current terminal block, nom. voltage: 1500 V, nominal current: 309 A, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 150 mm², cross section: 35 mm² - 150 mm², mounting type: NS 35/15, NS 32, color: blue

Your advantages

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

Commercial data

Item number	3247434
Packing unit	3 pc
Minimum order quantity	3 pc
Product key	BE1311
Catalog page	Page 197 (C-1-2019)
GTIN	4055626136608
Weight per piece (including packing)	377 g
Weight per piece (excluding packing)	377 g
Country of origin	IN

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

Technical data

Notes

General

Note	For a reliable contact of multi stranded conductors it is recommended to untwist multi stranded conductors.
------	---

Product properties

Product type	High current terminal block
Number of positions	1
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	9.55 W

Connection data

Number of connections per level	2
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
Internal cylindrical gage	B14
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	35 mm ² ... 150 mm ²
Cross section AWG	1/0 ... 250 kcmil (converted acc. to IEC)
Conductor cross section flexible	50 mm ² ... 150 mm ²
Conductor cross section, flexible [AWG]	1/0 ... 250 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	25 mm ² ... 50 mm ²

UKH 150 1500V BU - High-current terminal block

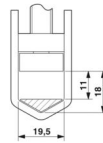


3247434

<https://www.phoenixcontact.com/us/products/3247434>

without plastic sleeve	
Nominal current	309 A
Maximum load current	309 A (with 150 mm ² conductor cross section)
Nominal voltage	1500 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

Dimensions

Dimensional drawing	
Width	31 mm
Height	100 mm
Depth	107.3 mm
Depth on NS 32	116 mm
Depth on NS 35/15	118.5 mm

Material specifications

Color	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

Electrical tests

Surge voltage test

Result	Test passed
Short-time withstand current 150 mm ²	18 kA
Result	Test passed

Power-frequency withstand voltage

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

Test voltage setpoint	3.82 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	35 mm ² / 6.8 kg
	50 mm ² / 9.5 kg
	150 mm ² / 15 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

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

Mounting

Mounting type	NS 35/15
	NS 32

UKH 150 1500V BU - High-current terminal block

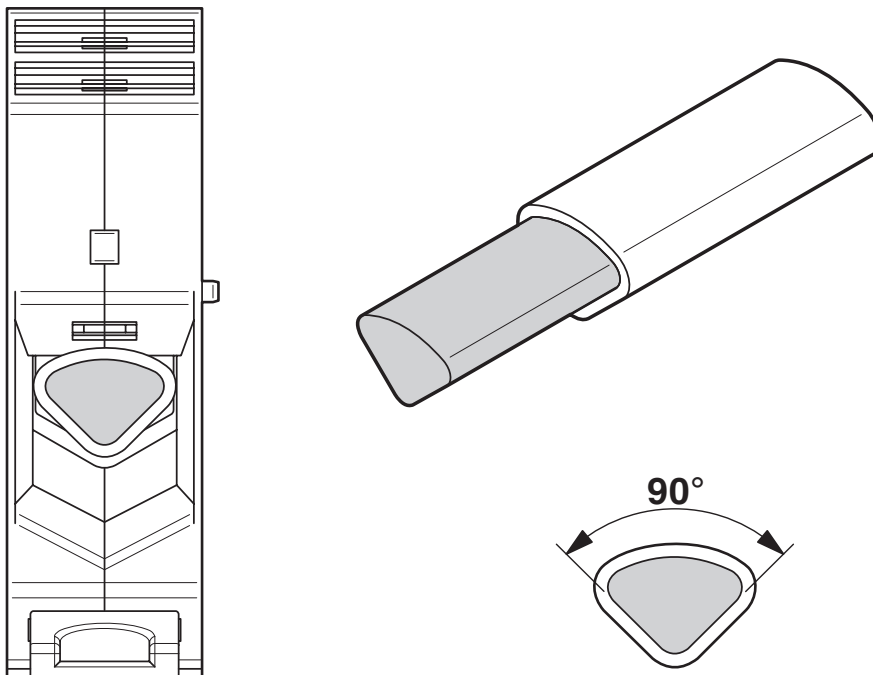


3247434

<https://www.phoenixcontact.com/us/products/3247434>

Drawings

Schematic diagram



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

Circuit diagram



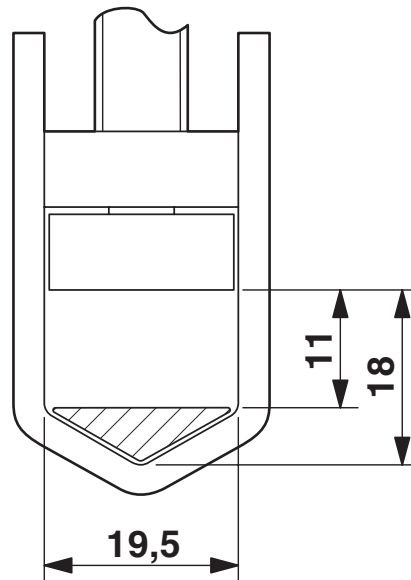
UKH 150 1500V BU - High-current terminal block

3247434

<https://www.phoenixcontact.com/us/products/3247434>



Dimensional drawing



UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3247434>



EAC

Approval ID: RU C-DE.BL08.B.00534

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

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%

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

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

UKH 150 1500V BU - High-current terminal block

3247434

<https://www.phoenixcontact.com/us/products/3247434>



NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

<https://www.phoenixcontact.com/us/products/1201002>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

<https://www.phoenixcontact.com/us/products/1201015>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

NS 35/15 PERF 2000MM - DIN rail perforated

1201730

<https://www.phoenixcontact.com/us/products/1201730>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

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

1201714

<https://www.phoenixcontact.com/us/products/1201714>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

UKH 150 1500V BU - High-current terminal block

3247434

<https://www.phoenixcontact.com/us/products/3247434>



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

0806602

<https://www.phoenixcontact.com/us/products/0806602>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white

NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

<https://www.phoenixcontact.com/us/products/1204135>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

UKH 150 1500V BU - High-current terminal block

3247434

<https://www.phoenixcontact.com/us/products/3247434>



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

1201756

<https://www.phoenixcontact.com/us/products/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

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

1206599

<https://www.phoenixcontact.com/us/products/1206599>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

UKH 150 1500V BU - High-current terminal block

3247434

<https://www.phoenixcontact.com/us/products/3247434>



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

1206586

<https://www.phoenixcontact.com/us/products/1206586>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

<https://www.phoenixcontact.com/us/products/1201895>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/us/products/1206573>

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



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

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

ZB 22 CUS - Zack marker strip

0824949

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

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

ZB 25:UNPRINTED - Zack marker strip

0802751

<https://www.phoenixcontact.com/us/products/0802751>



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

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

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

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

E/AL-NS 32 - End bracket

1201659

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

E/AL-NS 35 - End bracket

1201662

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

UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

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



UKH 150 1500V BU - High-current terminal block



3247434

<https://www.phoenixcontact.com/us/products/3247434>

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

WS-4K - Warning label

1004584

<https://www.phoenixcontact.com/us/products/1004584>



Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version - "Vorsicht Spannung - Attention Danger" size of label: 13 x 23.5 mm

UKH 150 1500V BU - High-current terminal block

3247434

<https://www.phoenixcontact.com/us/products/3247434>



SF-THEX 8-200 - Screwdriver

1212643

<https://www.phoenixcontact.com/us/products/1212643>



T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 8 x 200 mm, ergonomically shaped handle, matt chrome-plated

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com