PHŒNIX CONTACT

High-current terminal block - UKH 95-3L/N/FE-F - 3076617

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High-current terminal block, nom. voltage: 1000 V, nominal current: 232 A, connection method: Screw connection, number of connections: 10, number of positions: 5, cross section: 25 mm² - 95 mm², AWG: 4 - 3/0, width: 125 mm, height: 90 mm, color: gray/blue/black-yellow, mounting type: direct screw connection

for direct mounting

Your advantages

☑ 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

RoHS

Key Commercial Data

Packing unit	2 pc
GTIN	4 046356 654197
GTIN	4046356654197

Technical data

General

Number of positions	5
Number of levels	1
Number of connections	10
Potentials	5
Nominal cross section	95 mm²
Color	gray/blue/black-yellow
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	7.54 W

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Technical data

General

Maximum load current	232 A
Nominal current I_N	232 A
Nominal voltage U_N	1000 V
Open side panel	No
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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

Dimensions

Width	125 mm
Length	118.8 mm
Height	90 mm

Connection data

Note	Screws with hexagonal socket
Connection method	Screw connection
Screw thread	M8
Stripping length	33 mm
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
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.	25 mm²
Conductor cross section solid max.	95 mm²
Conductor cross section AWG min.	4
Conductor cross section AWG max.	3/0
Conductor cross section flexible min.	35 mm²
Conductor cross section flexible max.	95 mm²
Min. AWG conductor cross section, flexible	2
Max. AWG conductor cross section, flexible	3/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	35 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm²

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Connection data

Conductor cross section flexible, with ferrule with plastic sleeve min.	35 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	95 mm²
Cross section with insertion bridge, solid max.	95 mm²
Cross section with insertion bridge, stranded max.	70 mm²
2 conductors with same cross section, solid min.	25 mm²
2 conductors with same cross section, solid max.	35 mm²
2 conductors with same cross section, stranded min.	25 mm²
2 conductors with same cross section, stranded max.	35 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	16 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	35 mm²

Standards and Regulations

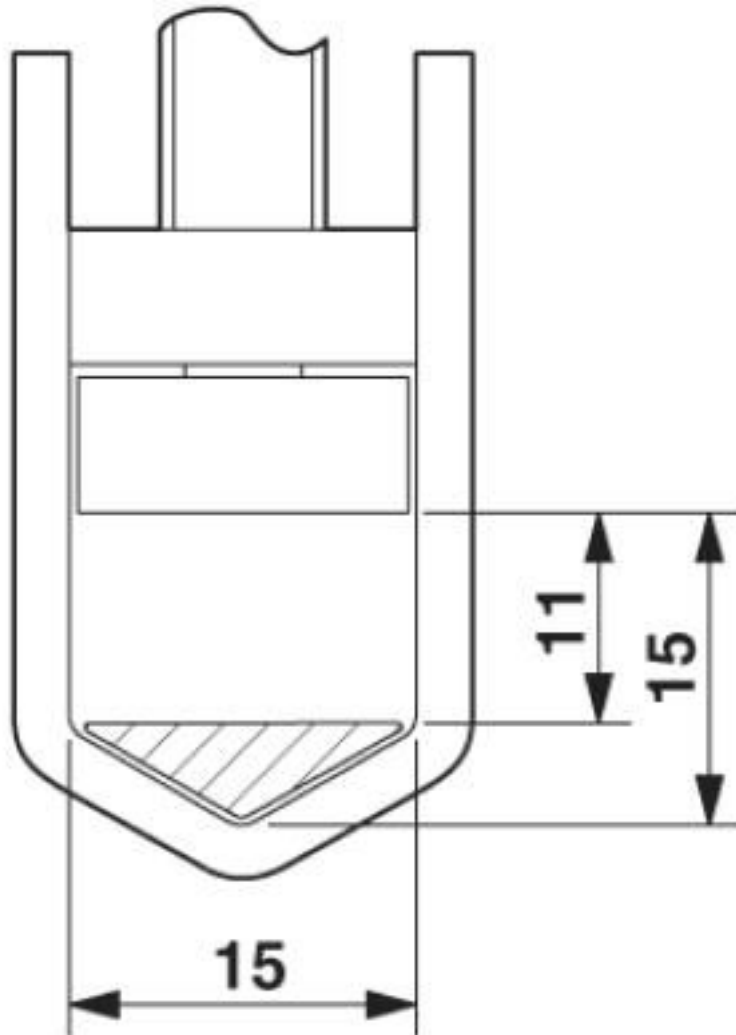| Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

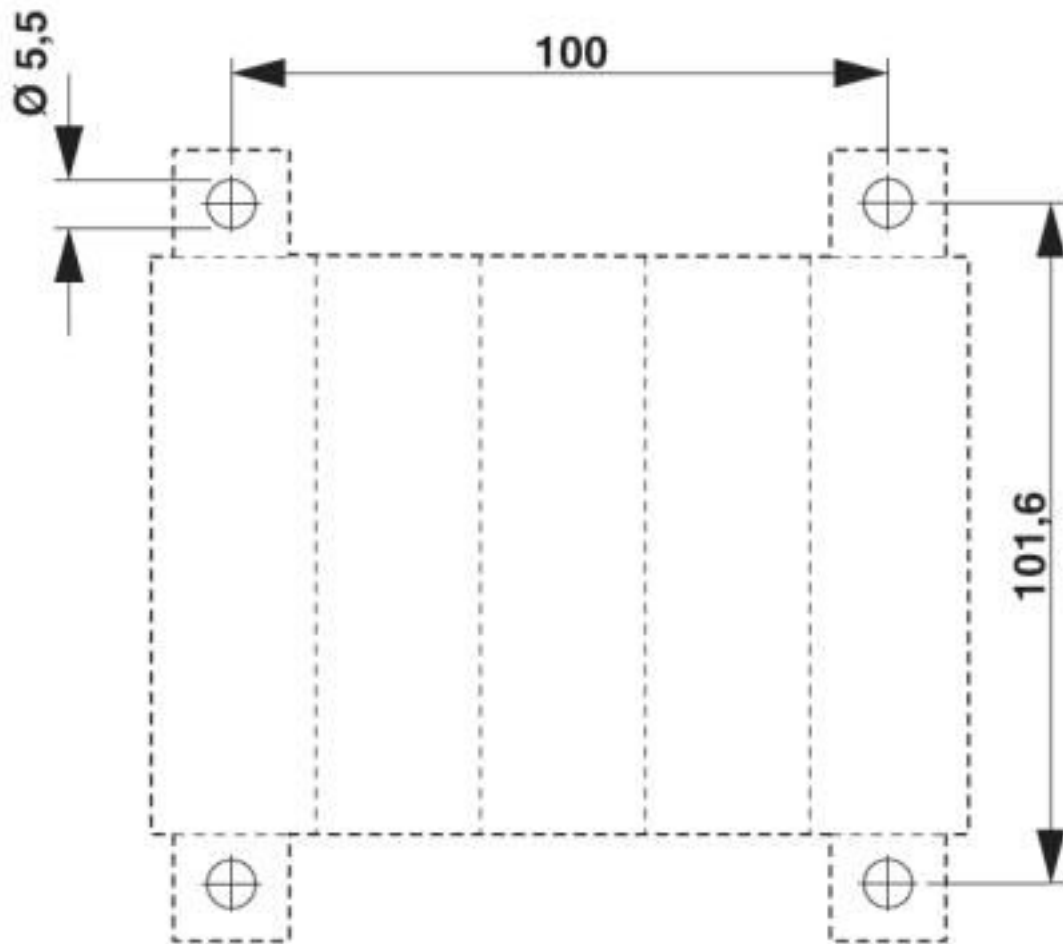| China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

High-current terminal block - UKH 95-3L/N/FE-F - 3076617

Dimensional drawing

High-current terminal block - UKH 95-3L/N/FE-F - 3076617
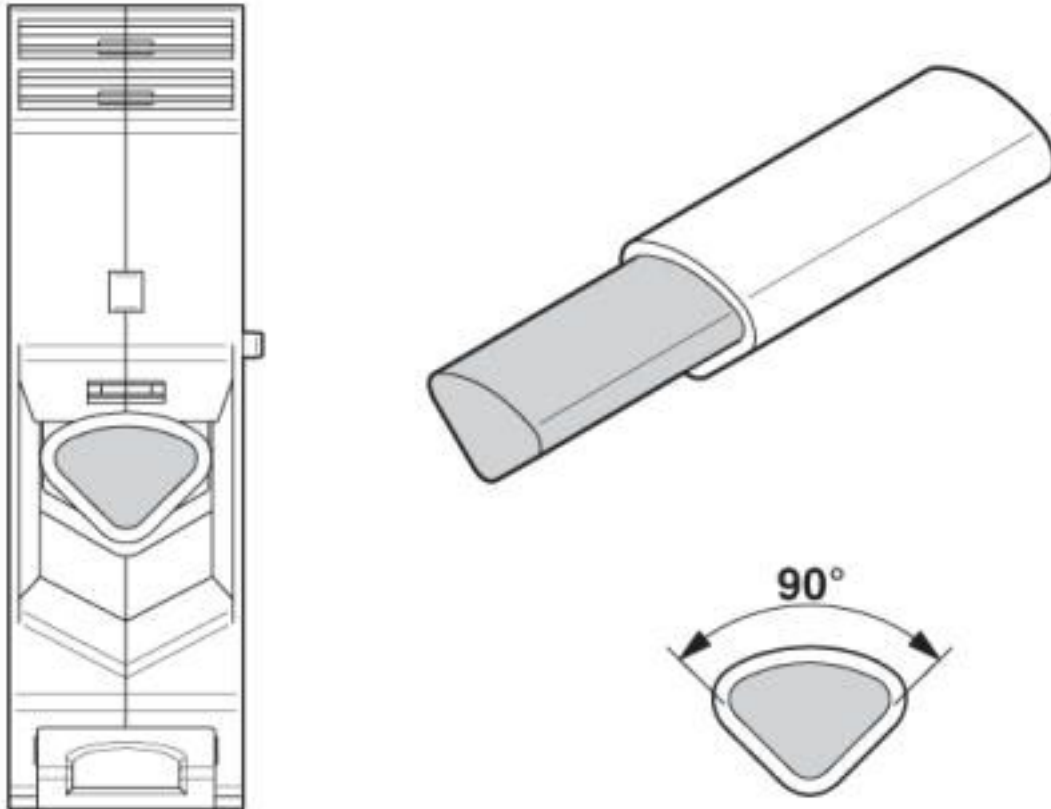
Dimensional drawing

Circuit diagram

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Schematic diagram

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

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000901
ETIM 5.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

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Classifications

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 19.0	39121410

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EHC	RU C-DE.AI30.B.01102

Accessories

Accessories
Insertion bridge

Insertion bridge - EB 3-25/UKH - 0201375

Insertion bridge, pitch: 25 mm, length: 38.9 mm, width: 68.3 mm, number of positions: 3, color: gray

Insertion bridge - EB 2-25/UKH - 0201362

Insertion bridge, pitch: 25 mm, number of positions: 2, color: gray

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Accessories

Labeled terminal marker

Warning label - WS-4K - 1004584

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

Zack marker strip - ZB 22 CUS - 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

Zack marker strip - ZB 22,LGS:L1-N,PE - 0811875

Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, 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

Marker for terminal blocks - TMT 10 R CUS - 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

Marker pen

Marker pen - X-PEN 0,35 - 0811228

Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Mounting material

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Accessories

Insertion profile - UKH 95 EP - 3009231

Insertion profile, color: silver

Pick-off terminal block

Pick-off terminal block - AGK 10-UKH 95 - 3003541

Pick-off terminal block, Can only be used in conjunction with UKH 95, nom. voltage: 1000 V, nominal current: 57 A, connection method: Screw connection, number of connections: 1, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 10.2 mm, height: 34.7 mm, color: gray, mounting type: on base element

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Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040

Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.

Software - CLIP-PROJECT PROFESSIONAL - 5146053

Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

Socket spanner

Screwdriver - SF-THEX 6-200 - 1212642

T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 6 x 200 mm, ergonomically shaped handle, matt chrome-plated

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Terminal marking

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Accessories

Zack marker strip - ZB 22:UNBEDRUCKT - 0811862

Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, 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

Marker for terminal blocks - TMT 10 R - 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: 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, Number of individual labels: 10000

Mouser Electronics

Authorized Distributor

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