

High-current terminal block - UKH 95 BU - 3010136

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High-current terminal block, nom. voltage: 1000 V, nominal current: 232 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 25 mm² - 95 mm², AWG: 4 - 3/0, width: 25 mm, height: 90 mm, color: blue, mounting type: NS 35/15, NS 32, NS 35/15-2,3

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



Key Commercial Data

Packing unit	3 pc
GTIN	 4 017918 091866
GTIN	4017918091866

Technical data

General

Note	Screws with hexagonal socket
Number of positions	1
Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	95 mm ²
Color	blue
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

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Technical data

General

Maximum power dissipation for nominal condition	7.54 W
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
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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	25 mm
Length	83 mm
Height	90 mm
Height NS 35/15	97.5 mm
Height NS 32	95 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 mm ²
Conductor cross section solid max.	95 mm ²

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Technical data

Connection data

Conductor cross section AWG min.	4
Conductor cross section AWG max.	3/0
Conductor cross section flexible min.	35 mm ²
Conductor cross section flexible max.	95 mm ²
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 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	95 mm ²
Cross section with insertion bridge, solid max.	95 mm ²
Cross section with insertion bridge, stranded max.	70 mm ²
2 conductors with same cross section, solid min.	25 mm ²
2 conductors with same cross section, solid max.	35 mm ²
2 conductors with same cross section, stranded min.	25 mm ²
2 conductors with same cross section, stranded max.	35 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	16 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	35 mm ²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	25 mm ²
Conductor cross section solid max.	95 mm ²
Conductor cross section AWG min.	4
Conductor cross section AWG max.	3/0
Conductor cross section flexible min.	35 mm ²
Conductor cross section flexible max.	95 mm ²

Standards and Regulations

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

Environmental Product Compliance

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

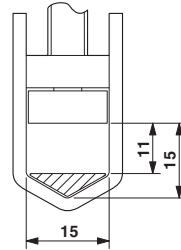
Drawings

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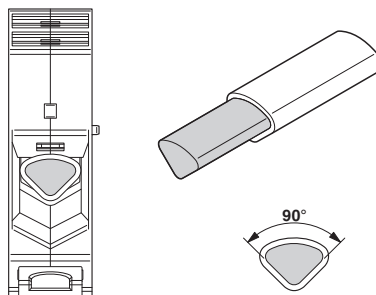
Circuit diagram



Dimensional drawing



Schematic diagram



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

Approvals

Approvals

Approvals

DNV GL / PRS / CSA / PRS / UL Recognized / KEMA-KEUR / cUL Recognized / EAC / RS / cULus Recognized

Ex Approvals

IECEX / ATEX / UL Recognized / cUL Recognized / EAC Ex / cULus Recognized

Approval details

DNV GL		http://exchange.dnv.com/tari/	TAE00001CT
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PRS		http://www.prs.pl/	TE/2156/880590/17
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Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	200 A	200 A	
mm ² /AWG/kcmil	2	2	

PRS		http://www.prs.pl/	TE/1824/880590/09
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	230 A	230 A	
mm ² /AWG/kcmil	2	2	

KEMA-KEUR		http://www.dekra-certification.com	2183460.01
Nominal voltage UN	1000 V		
mm ² /AWG/kcmil	95		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	230 A	230 A	
mm ² /AWG/kcmil	2	2	

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

RS		http://www.rs-head.spb.ru/en/index.php	17.00013.272
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cULus Recognized	
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