



Automatización Eléctrica
Especialistas en Automatización

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High-current terminal block - UKH 95 - 3010013

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High-current terminal block, Connection method: Screw connection, Cross section: 25 mm² - 95 mm², AWG: 4 - 3/0, Width: 25 mm, Height: 90 mm, Color: gray, Mounting type: NS 35/15, NS 32

Why buy this product

- 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 STK
GTIN	 4 017918 091835

Technical data

General

Note	Screws with hexagonal socket
Number of levels	1
Number of connections	2
Nominal cross section	95 mm ²
Color	gray
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
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	232 A

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Technical data

General

Nominal current I_N	232 A
Nominal voltage U_N	1000 V
Open side panel	No
Result of surge voltage test	Test passed
Surge voltage test setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	25 mm ² / 4.5 kg
	35 mm ² / 6.8 kg
	95 mm ² /14 kg
Tensile test result	Test passed
Conductor cross section tensile test	25 mm ²
Tractive force setpoint	135 N
Conductor cross section tensile test	35 mm ²
Tractive force setpoint	190 N
Conductor cross section tensile test	95 mm ²
Tractive force setpoint	351 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	15 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	95 mm ²
Short-time current	11.4 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	10 s
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

Dimensions

Width	25 mm
Length	83 mm
Height	90 mm

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Technical data

Dimensions

Height NS 35/15	97.5 mm
Height NS 32	95 mm

Connection data

Note	Screws with hexagonal socket
Connection method	Screw connection
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
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
Cross section with insertion bridge, solid max.	95 mm ²
Cross section with insertion bridge, stranded max.	70 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
Stripping length	33 mm
Screw thread	M8

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Technical data

Connection data

Tightening torque, min	15 Nm
Tightening torque max	20 Nm

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

Approvals

Approvals

Approvals

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

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Approvals


Ex Approvals


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


Approvals submitted

Approval details

CSA 		
	B	C
mm²/AWG/kcmil	2-4/0	2-4/0
Nominal current I _N	200 A	200 A
Nominal voltage U _N	600 V	600 V

UL Recognized 		
	B	C
mm²/AWG/kcmil	2-4/0	2-4/0
Nominal current I _N	230 A	230 A
Nominal voltage U _N	600 V	600 V

KEMA-KEUR 	
mm²/AWG/kcmil	95
Nominal voltage U _N	1000 V

cUL Recognized 		
	B	C
mm²/AWG/kcmil	2-4/0	2-4/0
Nominal current I _N	230 A	230 A
Nominal voltage U _N	600 V	600 V

LR

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Approvals

GL

DNV

RS

PRS

CCA

mm²/AWG/kcmil


95

Nominal voltage UN

1000 V

EAC

EAC

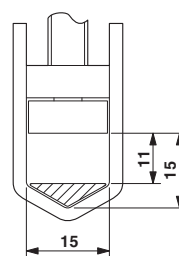
cULus Recognized  US

Drawings

Circuit diagram

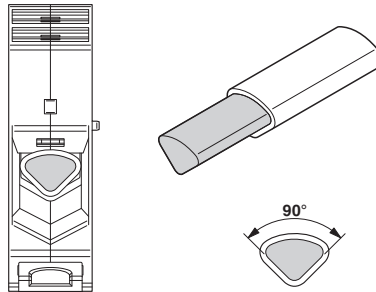


Dimensional drawing



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Schematic diagram



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

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Product	Code	Reference	Product link
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