

High-current terminal block - UKH 50-IB - 3009053

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High-current terminal block, with Allen screws, Connection method: Screw connection, Number of positions: 1, Cross section: 16 mm² - 70 mm², AWG: 6 - 2/0, Width: 20 mm, Color: gray, Mounting type: NS 35/15, NS 32, NS 35/15-2,3

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	10 pc
GTIN	 4 017918 091613
Weight per Piece (excluding packing)	121.35 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	50 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Pollution degree	3
Overvoltage category	III
Insulating material group	I
Maximum load current	150 A (with 50 mm ² conductor cross section)

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Technical data

General

Nominal current I _N	150 A
Nominal voltage U _N	1000 V
Open side panel	nein
Number of positions	1
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	25 mm ² / 4.5 kg
	50 mm ² / 9.5 kg
	70 mm ² /10.4 kg
Result of bending test	Test passed
Conductor cross section tensile test	25 mm ²
Tractive force setpoint	135 N
Conductor cross section tensile test	50 mm ²
Tractive force setpoint	236 N
Conductor cross section tensile test	70 mm ²
Tractive force setpoint	285 N
Tensile test result	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	10 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	50 mm ²
Short-time current	6 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	20 mm
Length	70.5 mm
Height NS 35/15	83.5 mm

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Technical data

Dimensions

Height NS 32	81 mm
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Connection data

Connection method	Screw connection
Conductor cross section solid min.	16 mm ²
Conductor cross section solid max.	70 mm ²
Conductor cross section AWG min.	6
Conductor cross section AWG max.	2/0
Conductor cross section flexible min.	25 mm ²
Conductor cross section flexible max.	50 mm ²
Min. AWG conductor cross section, flexible	3
Max. AWG conductor cross section, flexible	1/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm ²
2 conductors with same cross section, solid min.	10 mm ²
2 conductors with same cross section, solid max.	16 mm ²
2 conductors with same cross section, stranded min.	10 mm ²
2 conductors with same cross section, stranded max.	16 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	10 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	16 mm ²
Stripping length	24 mm
Internal cylindrical gage	B10
Screw thread	M6
Tightening torque, min	6 Nm
Tightening torque max	8 Nm

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

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Classifications

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

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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

Approvals submitted

Approval details

UL Recognized		
	B	C
mm ² /AWG/kcmil	6-1/0	6-1/0
Nominal current I _N	150 A	150 A
Nominal voltage U _N	600 V	600 V

cUL Recognized		
	B	C
mm ² /AWG/kcmil	6-1/0	6-1/0

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Approvals

	B	C
Nominal current I _N	150 A	150 A
Nominal voltage U _N	600 V	600 V

EAC

cULus Recognized

Accessories

Accessories

Mounting rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

Drawings

Schematic diagram

