

N disconnect terminal block - UTN 16 - 3245053

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N disconnect terminal block, Screw connection, Cross section: 6 mm² - 25 mm², AWG: 10 - 4, Width: 12.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

Product Features

- ☑ Same shape as UT standard terminal blocks

Key commercial data

package_quantity	50
GTIN	4046356299008

Technical data

General

Note	Assembly instructions: For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
Number of levels	1
Number of connections	2
Color	blue
Insulating material	PA
Inflammability class according to UL 94	V2

General

Maximum load current	76 A (with 16 mm ² conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	76 A
Nominal voltage U _N	400 V
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	7.3 kV

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Technical data

General

Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.5 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	6 mm ² / 1.4 kg
Bending test conductor cross section/weight	16 mm ² / 2.9 kg
Bending test conductor cross section/weight	25 mm ² / 4.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Conductor cross section tensile test	16 mm ²
Tractive force setpoint	100 N
Conductor cross section tensile test	25 mm ²
Tractive force setpoint	135 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	5 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	16 mm ²
Short-time current	1.92 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	0.02 g ² /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03

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Technical data

General

Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	115 °C

Dimensions

Width	12.2 mm
Length	55 mm
Height	49.90 mm
Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

Connection data

Note	Terminal point
Conductor cross section solid min.	6 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	4
Conductor cross section stranded min.	6 mm ²
Conductor cross section stranded max.	16 mm ²
Min. AWG conductor cross section, stranded	10
Max. AWG conductor cross section, stranded	6
Conductor cross section stranded, with ferrule without plastic sleeve min.	6 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, solid min.	2.5 mm ²
2 conductors with same cross section, solid max.	10 mm ²
2 conductors with same cross section, stranded min.	2.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	4 mm ²

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Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm ²
Connection method	Screw connection
Stripping length	12 mm
Internal cylindrical gage	B 7
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	3 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

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000902
ETIM 5.0	EC000902

UNSPSC

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

approvals

GOST /

Approval details

GOST 
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accessories

Neutral conductor rail

NLS-CU 3/10 SN 1000MM - 0402174



NLS-CU 3/10 SN 1000MM - 0402174



Pick-off terminal block

EK 135 - 0401023



EK 116 - 0401010



AGK 4-UT 16 - 3047125



Support

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accessories

UAB - 3032428



AB/NS - 1201141



AB-UTN 2,5/10 - 3245082



Screwdriver tools

SZS 1,0X4,0 VDE - 1205066



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



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accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



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accessories

NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



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accessories

NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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accessories

NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 12:UNPRINTED - 0812120



UC-TM 12 - 0819194



UCT-TM 12 - 0829144



Labeled terminal marker

ZB 12 CUS - 0824942



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accessories

UC-TM 12 CUS - 0824613



UCT-TM 12 CUS - 0829630



Test plug terminal block

MPS-MT - 0201744



Insulating sleeve

MPS-IH WH - 0201663



MPS-IH RD - 0201676



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accessories

MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



End block

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accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Drawings

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Circuit diagram



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