Installation terminal block - UTI 16 - 3073827

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Installation terminal block, Special and hybrid connection, Cross section: 6 mm² - 25 mm², AWG: 10 - 4, Width: 12.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- The installation terminal block features a particularly low-profile design and is suitable for wiring in flat installation distributors
- The asymmetrical arrangement of the terminal blocks on the DIN rail enables the neutral busbar to be routed past the terminal blocks

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	28.4 GRM
Custom tariff number	85369010
Country of origin	China

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2
Maximum load current	76 A (with 16 mm² 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

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Technical data

General

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
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 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
	16 mm² / 2.9 kg
	25 mm² / 4.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	6 mm²
Tractive force setpoint	80 N
Conductor cross section tensile test	16 mm²
Tractive force setpoint	100 N
Conductor cross section tensile test	25 mm²
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 mm²
Short-time current	1.92 kA
Short circuit stability result	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

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Technical data

General

Test frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.02 g²/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
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))	125 °C

Dimensions

Width	12.2 mm
Length	51 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 mm²
Conductor cross section solid max.	25 mm²
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	4
Conductor cross section stranded min.	6 mm²
Conductor cross section stranded max.	16 mm²
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 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	6 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm²
2 conductors with same cross section, solid min.	2.5 mm²
2 conductors with same cross section, solid max.	10 mm²

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Connection data

2 conductors with same cross section, stranded min.	2.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	4 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm²
Connection method	Special and hybrid connection
Stripping length	12 mm
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	3 Nm

Classifications

eCl@ss

eCl@ss 4.0	27141111
eCl@ss 4.1	27141111
eCl@ss 5.0	27141138
eCl@ss 5.1	27141138
eCl@ss 6.0	27141138
eCl@ss 7.0	27141138
eCl@ss 8.0	27141138

ETIM

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

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Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

GOST

Accessories

Accessories

Bridge

Fixed bridge - FBI 2-12 - 0200075



Fixed bridge, Number of positions: 2, Color: silver

Fixed bridge - FBI 10-12 - 0203454



Fixed bridge, Number of positions: 10, Color: silver

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Accessories

Insertion bridge - EB 10-12 - 3006137



Insertion bridge, Number of positions: 10, Color: gray

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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Accessories

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

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Labeled terminal marker

Zack marker strip - ZB 12 CUS - 0824942



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 12.2 mm, Lettering field: 10.5 x 12.15 mm

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Marker for terminal blocks - UC-TM 12 CUS - 0824613



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 12 mm, Lettering field: 11.45 x 10.5 mm

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Marker for terminal blocks - UCT-TM 12 CUS - 0829630



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 12 mm, Lettering field: 10.8 x 9.6 mm

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Mounting rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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Accessories

DIN rail - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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Accessories

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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End cap - NS 35/ 7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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Accessories

DIN rail - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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DIN rail - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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Accessories

DIN rail - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

Pick-off terminal block

Power terminal block - EK 116 - 0401010



Power terminal block, Connection method Screw connection, Load current : 76 A, Cross section: 0.5 mm² - 16 mm², Width: 8 mm, Color: aluminum

Power terminal block - EK 135 - 0401023



Power terminal block, Connection method Screw connection, Load current : 125 A, Cross section: 0.75 mm² - 35 mm², Width: 12 mm, Color: aluminum

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Accessories

Screwdriver tools

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

Support

Support bracket - UAB - 3032428



Support bracket, Width: 2 mm, Color: blue

Support bracket - AB/NS - 1201141



Support bracket, for insulated mounting of DIN rails in insulated systems, plastic, 21 mm high

Terminal marking

Marker cards - SBS10:UNBEDRUCKT - 1007248



Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Perforated, Mounting type: Snap into tall marker groove, Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 6 x 10.1 mm

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Accessories

Zack marker strip - ZB 12:UNPRINTED - 0812120



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 12.2 mm, Lettering field: 12 x 10.5 mm

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Marker for terminal blocks - UC-TM 12 - 0819194



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 12 mm, Lettering field: 11.45 x 10.5 mm

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Marker for terminal blocks - UCT-TM 12 - 0829144



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 12 mm, Lettering field: 10.8 x 9.6 mm

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Warning label printed

Warning label - WS 4-12 - 0805328



Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 12 mm

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Warning label - WS 5-12 - 0805315



Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 12 mm

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Drawings

Circuit diagram

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