

# UTI 16-PE - Installation ground terminal block



3073830  
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Installation ground terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, 1st level connection right, Rated cross section: 16 mm<sup>2</sup>, cross section: 6 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting: PE foot with mounting screw, M4, mounting type: NS 35/7,5, NS 35/15, color: green-yellow

## Your advantages

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

## Commercial data

Item number	3073830
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1151
Catalog page	Page 185 (C-1-2019)
GTIN	4046356347259
Weight per piece (including packing)	50.224 g
Weight per piece (excluding packing)	47.82 g
Customs tariff number	85369010
Country of origin	CN

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## Technical data

### Product properties

Product type	Ground terminal block
Number of positions	1
Number of connections	2
Number of rows	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	2.43 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	16 mm <sup>2</sup>

### 1st level connection right

Screw thread	M5
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	2.5 ... 3 Nm
Stripping length	12 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	6 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	8 ... 4 (converted acc. to IEC)
Conductor cross section flexible	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	8 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Nominal cross section	16 mm <sup>2</sup>

### Dimensions

Width	12.2 mm
Height	51 mm
Depth	49.9 mm
Depth on NS 35/7,5	50.5 mm
Depth on NS 35/15	58 mm

### Material specifications

Color	green-yellow
Flammability rating according to UL 94	V2

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Insulating material group	I
Insulating material	PA
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	115 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

## Mechanical properties

### General

Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)
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### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.02g <sup>2</sup> /Hz
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

### Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15
Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)

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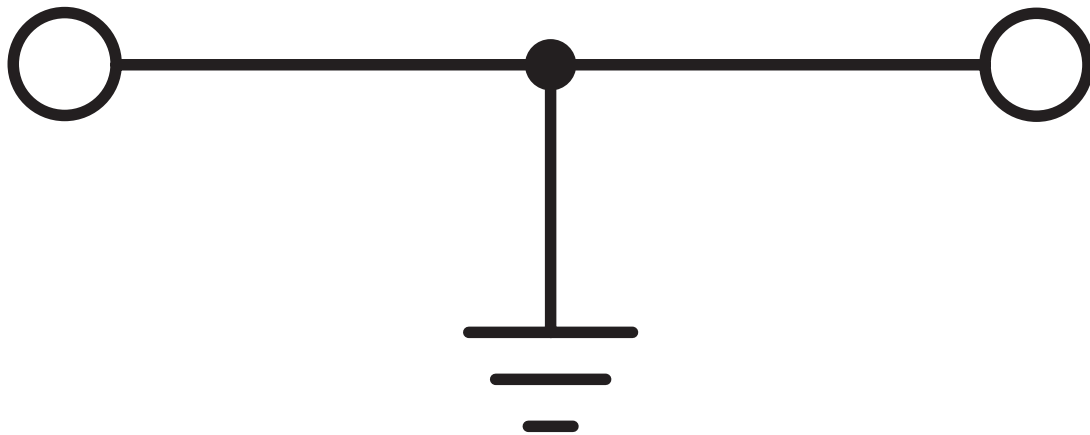
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## Drawings

Circuit diagram



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## Approvals

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**EAC**

Approval ID: RU C-DE.A\*30.B.01742



**EAC**

Approval ID: RU C-DE.BL08.B.00534

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## Classifications

### ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

### ETIM

ETIM 9.0	EC000901
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

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

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