Installation terminal block - UTI 35

3074088

https://www.phoenixcontact.com/de/produkte/3074088

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Installation terminal block, nom. voltage: 800 V, nominal current: 125 A, Screw connection, Rated cross section: 35 mm^2, cross section: 0.75 mm^2 - 35 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- 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

Commercial Data

Item number	3074088
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE1151
Catalog Page	Page 187 (C-1-2019)
GTIN	4046356347266
Weight per Piece (including packing)	46,103 g
Weight per Piece (excluding packing)	44,26 g
Customs tariff number	85369010
Country of origin	CN

Technical Data

Product properties

Product type	Installation terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm²

Level 1 above 1 below 1

Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	0.75 mm² ... 35 mm²
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross section flexible	0.75 mm² ... 35 mm²
Conductor cross section, flexible [AWG]	18 ... 2 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.75 mm² ... 35 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm² ... 35 mm²
Cross-section with insertion bridge, rigid	35 mm²
Cross-section with insertion bridge, flexible	35 mm²
2 conductors with same cross section, solid	0.75 mm² ... 10 mm²
2 conductors with same cross section, flexible	0.75 mm² ... 10 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.75 mm² ... 10 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.75 mm² ... 6 mm²
Nominal current	125 A
Maximum load current	125 A (with 35 mm² conductor cross section)
Nominal voltage	800 V
Nominal cross section	35 mm²

Dimensions

Width	15.2 mm
Height NS 35/7,5	51 mm
Height	2.008 "
Height NS 32	56 mm
Length	55 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V2
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

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 35 mm²	4.2 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	3.5 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	10 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.75 mm² / 0.4 kg
	35 mm² / 6.8 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

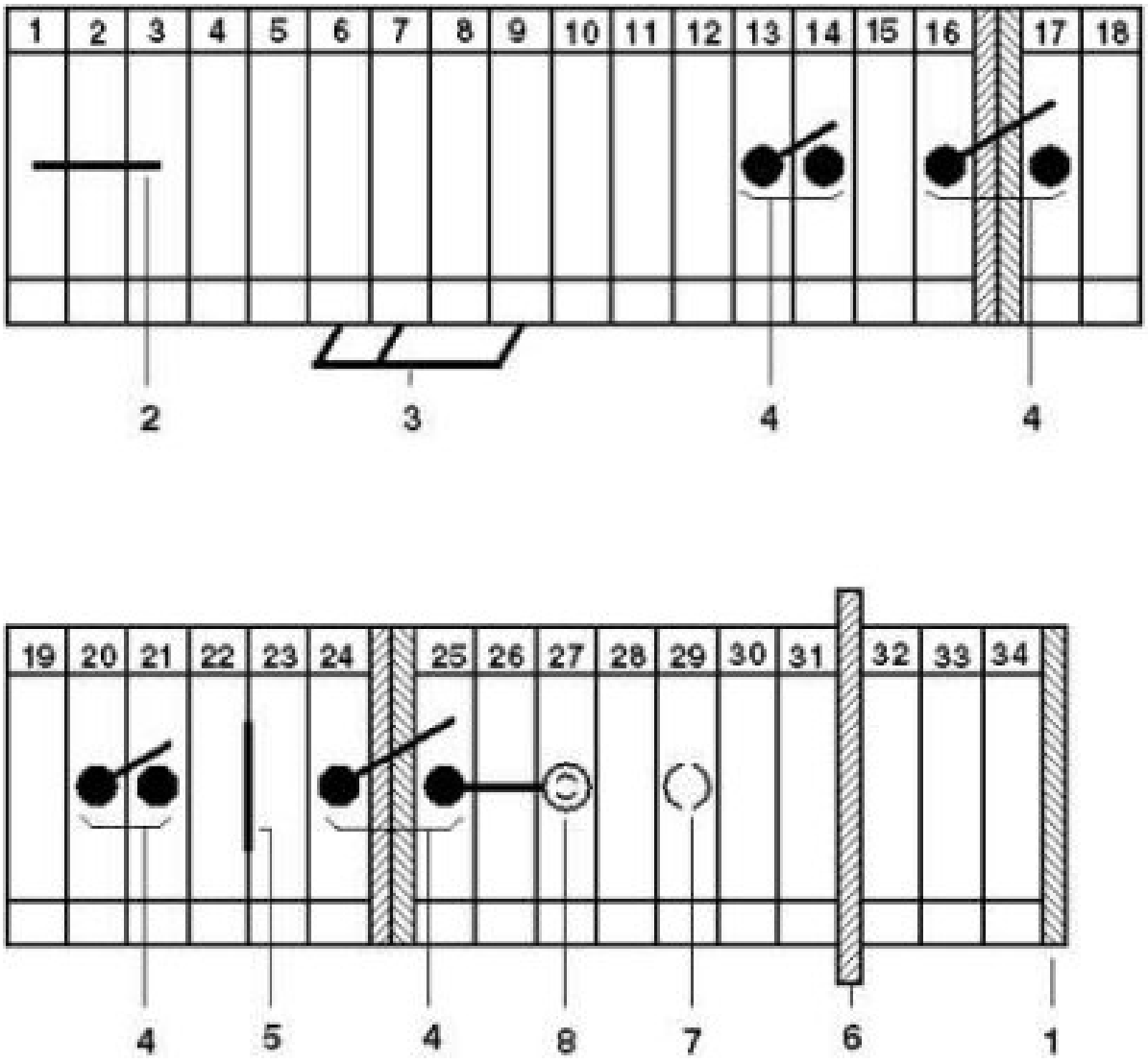
Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15

Drawings

Circuit diagram



Circuit diagram



Approvals

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

Classifications

ECLASS

ECLASS-9.0	27141125
ECLASS-10.0.1	27141125
ECLASS-11.0	27141125
ECLASS-12.0	27141125

ETIM

ETIM 8.0	EC001329

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

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

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