UK 35-1-PE/N - Installation protective conductor terminal block

3008067

https://www.phoenixcontact.com/us/products/3008067

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The figure shows version UK 35 PE/N

Installation protective conductor terminal block, The NS 32... or NS 35... Cu DIN rail should be used for a connection cross section of 35 mm^2/2 AWG. When aligned with a feed-through terminal block of the same shape, a cover must be used at insulation voltages > 630 V., PE/N block, consisting of a green-yellow protective conductor terminal block and a blue terminal block with screw bridge, nom. voltage: 630 V, nominal current: 125 A, Screw connection, cross section: 0.75 mm^2 - 35 mm^2, mounting type: NS 35/15-2,3, color: green-yellow-blue

Commercial data

Item number	3008067
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE12
Product key	BE1221
GTIN	4017918091583
Weight per piece (including packing)	163.22 g
Weight per piece (excluding packing)	155.973 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Ground terminal block
Number of connections	4
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV

Connection data

PEN function	yes
Grounding foot	Yes
Number of connections per level	2

Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M6
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross-section rigid	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)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm² ... 35 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.75 mm² ... 35 mm²
Nominal current	125 A
Maximum load current	125 A (with 35 mm² conductor cross-section)
Nominal voltage	630 V (When aligned with a modular terminal block of the same shape, a separating disk must be used at voltages > 630 V.)
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Maximum load current	125 A (with 35 mm² conductor cross-section)
Nominal voltage	630 V (When aligned with a modular terminal block of the same shape, a separating disk must be used at voltages > 630 V.)

Dimensions

Width	30.1 mm

Material specifications

Color	green-yellow-blue
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

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	1.89 kV
Result	Test passed

Mechanical properties

General

Terminal block mounting	2.5 Nm ... 3 Nm (PE foot with mounting screw, M5)

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	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

Standards and regulations

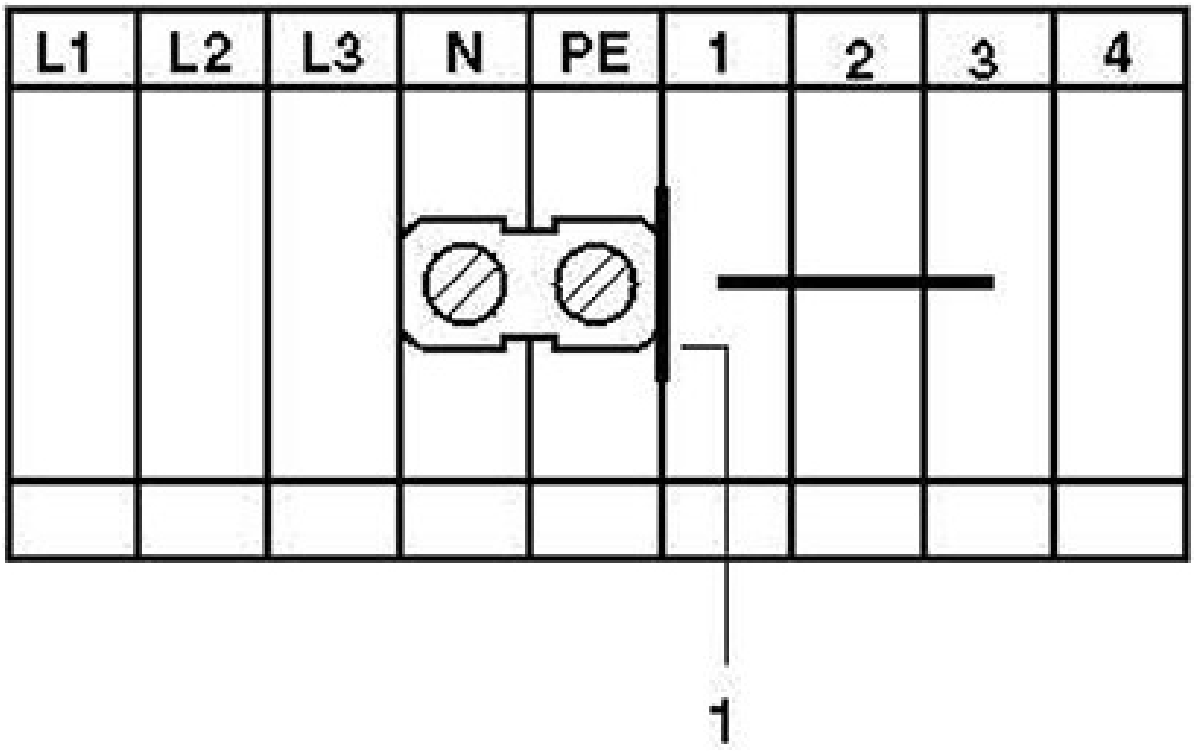
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2

Mounting

Mounting type	NS 35/15-2,3
Terminal block mounting	2.5 Nm ... 3 Nm (PE foot with mounting screw, M5)

Drawings

Circuit diagram



1 = separating plate

Classifications

UNSPSC

UNSPSC 21.0	39121410

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	4-Nonylphenol, branched and linear(CAS: n/a)

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