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

3008054

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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 35/7,5, NS 35/15, NS 32, color: green-yellow-blue

Commercial data

Item number	3008054
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE1221
Product key	BE1221
GTIN	4017918091576
Weight per piece (including packing)	164.88 g
Weight per piece (excluding packing)	157.633 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Notes

General	The NS 32... or NS 35... Cu DIN rail should be used for a connection cross section of 35 mm²/2 AWG. When aligned with a feed-through terminal block of the same shape, a cover must be used at insulation voltages > 630 V.

Product properties

Product type	Ground terminal block
Number of connections	4
Number of rows	1
Potentials	3

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

PEN function	yes
Grounding foot	Yes
Number of connections per level	2
Nominal cross section	35 mm²
Rated cross section AWG	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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Dimensions

Width	30.1 mm
Height	50 mm
Depth on NS 32	67 mm
Depth on NS 35/7,5	62 mm
Depth on NS 35/15	69.5 mm

Material specifications

Color	multicolored (RAL -)
	green-yellow
	blue (RAL 5015)
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

Mechanical properties

General

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

Mechanical data

Open side panel	No

Environmental and real-life conditions

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

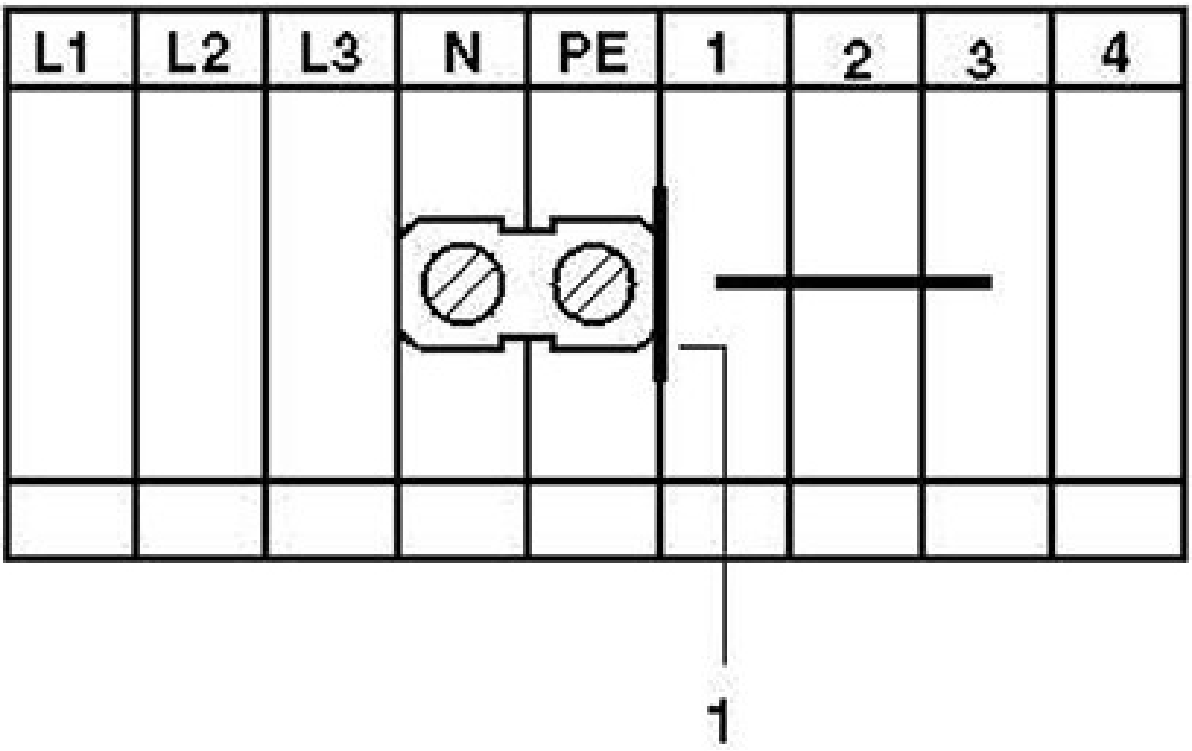
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32
Terminal block mounting	2.5 Nm ... 3 Nm (PE foot with mounting screw, M5)

Drawings

Circuit diagram



1 = separating plate

Classifications

ECLASS

ECLASS-13.0	27250110

ETIM

ETIM 9.0	EC001329

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk