

PIK 4-L/LB - Installation level terminal block



3000117

<https://www.phoenixcontact.com/pc/products/3000117>

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Installation level terminal block, nom. voltage: 400 V, nominal current: 32 A, Screw connection, 2nd level, Rated cross section: 4 mm², cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	3000117
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE1253
Catalog page	Page 589 (C-3-2013)
GTIN	4017918100827
Weight per piece (including packing)	20.34 g
Weight per piece (excluding packing)	20.34 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Installation terminal block
Number of connections	5
Number of rows	2
Potentials	3

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
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Connection data

Number of connections per level	2
Nominal cross section	4 mm ²

2nd level

Screw thread	M3
Note	Terminal point
Tightening torque	0.5 ... 0.6 Nm
Stripping length	9 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1 mm ²
Nominal current	32 A
Maximum load current	32 A (with 4 mm ² conductor cross section)
Nominal voltage	400 V
Nominal cross section	4 mm ²

Dimensions

Width	6.2 mm
End cover width	1.5 mm

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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))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
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Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm ² / 0.2 kg
	4 mm ² / 0.9 kg
Result	Test passed

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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
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Mounting

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

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Drawings

Circuit diagram



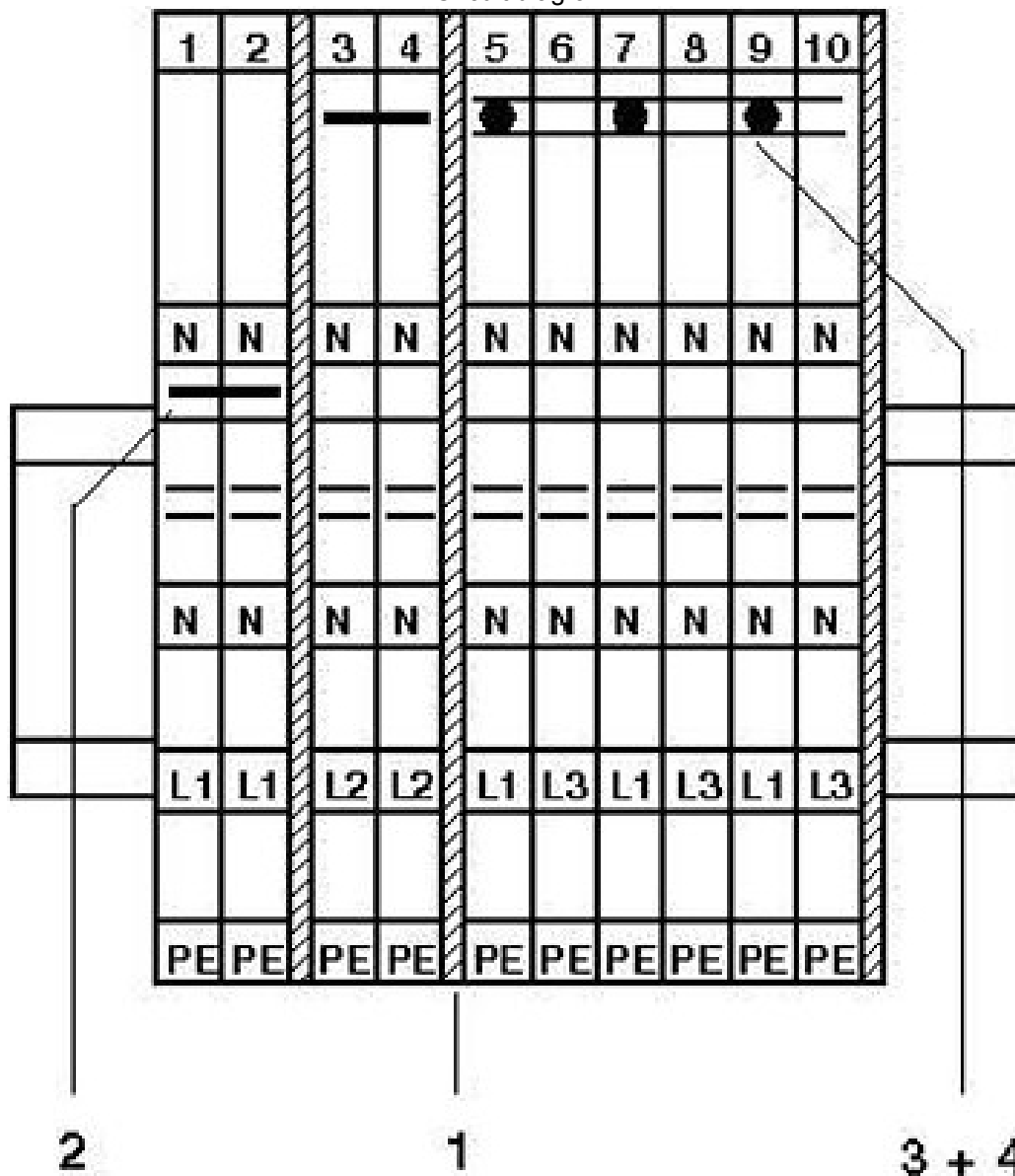
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Circuit diagram



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Environmental product compliance

EU REACH SVHC

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