

https://www.phoenixcontact.com/sg/products/0452027



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Ground terminal, When aligned with a feed-through terminal block of the same shape, a partition plate must be used for insulation voltages > 250 V, number of connections: 2, connection method: Screw connection, 1 level, cross section: 0.2 mm^2 - 4 mm^2 , mounting method: PE foot with mounting screw, M2.5, mounting type: NS 15, color: green-yellow

Commercial data

Item number	0452027
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	0112*
Product key	BE1261
Catalog page	Page 523 (CL1-2011)
GTIN	4017918002374
Weight per piece (including packing)	9.35 g
Weight per piece (excluding packing)	9.35 g
Customs tariff number	85369010
Country of origin	PL



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Technical data

Notes

General	When aligned with a feed-through terminal block of the same
	shape, a partition plate must be used for insulation voltages >
	250 V

Product properties

Product type	Ground terminal block
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	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm²

1 level

Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.6 0.8 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.2 mm² 4 mm²
Cross section AWG	24 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section, flexible [AWG]	24 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 1.5 mm²

Dimensions

\A(i,dth	7.5
Width	min c. i

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V2
Insulating material group	I



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Insulating material	PA
Static insulating material application in cold	-40 °C
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

Mechanical properties

General

Terminal block mounting	0.5 Nm 0.6 Nm (PE foot with mounting screw, M2.5)
Terminal block mounting	0.5 Nill 0.6 Nill (FE loot with mounting sciew, M2.5)
Mechanical data	

Environmental and real-life conditions

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 15		
Terminal block mounting	0.5 Nm 0.6 Nm (PE foot with mounting screw, M2.5)		

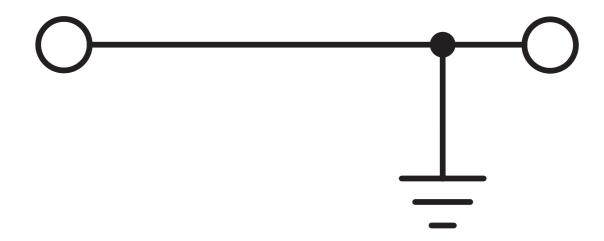


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Drawings

Circuit diagram





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Approvals

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•	CSA Approval ID: 13631				
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		-	-	28 - 12	-

UL Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	-	-	28 - 12	-
Use group C				
	-	-	28 - 12	-

Lloyds	LR
Register	Approval ID: LR2041789TA-02

EAC	EAC
LIIL	Approval ID: EACKZ 08593

(CC)	CCC
	Approval ID: 2020322313000629



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27141141		
	ECLASS-13.0	27250103		
ET	ETIM			
	ETIM 8.0	EC000901		
UN	ISPSC			

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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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