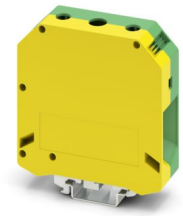
TB 95-PE I - Protective conductor terminal block

3251208

https://www.phoenixcontact.com/gb/products/3251208

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Protective conductor terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 95 mm^2, cross section: 25 mm^2 - 95 mm^2, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Your advantages

- Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- Low contact resistance of the contact surface due to ribbing
- Screw locking by means of spring-loaded elements in the clamping part

Commercial data

Item number	3251208
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BEK321
Product key	BEK321
GTIN	4046356951142
Weight per piece (including packing)	330.6 g
Weight per piece (excluding packing)	330.6 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Product properties

Product type	Ground terminal block
Product family	TB
Number of positions	1
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	95 mm²
Rated cross section AWG	4/0
Connection method	Screw connection
Screw thread	M8
Note	Screws with hexagonal socket
Tightening torque	15 ... 20 Nm
Stripping length	33 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	25 mm² ... 95 mm²
Cross section AWG	2 ... 3/0 (converted acc. to IEC)
Conductor cross-section flexible	35 mm² ... 95 mm²
Conductor cross-section, flexible [AWG]	1/0 ... 3/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	35 mm² ... 95 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	35 mm² ... 95 mm²
Cross-section with insertion bridge, rigid	95 mm²
Cross-section with insertion bridge, flexible	70 mm²
Nominal cross section	95 mm²

Dimensions

Width	25 mm
Height	83 mm
Depth on NS 32	95 mm
Depth on NS 35/15	97.5 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-40 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

Oscillation/broadband noise

Specification	EN 50155:2021-07
Spectrum	Long life test category 2, bogie-mounted
Frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	30.6 m/s²
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Pulse shape	Half-sine
Acceleration	300 m/s²
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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

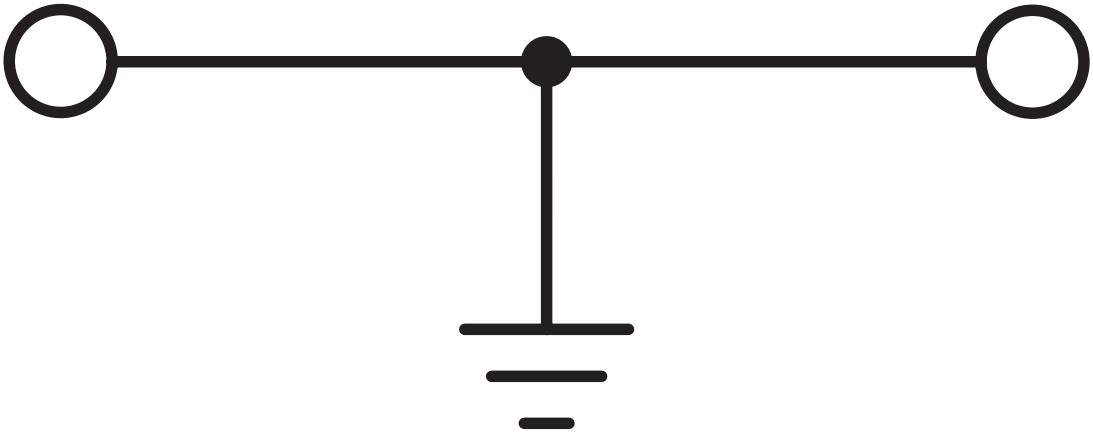
Mounting

	NS 35/7,5

Mounting type	NS 35/15
	NS 32

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/3251208

EAC
Approval ID: KZ7500651131219505

cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	-	-	2 - 4/0	-
C				
	-	-	2 - 4/0	-

Classifications

ECLASS

ECLASS-13.0	27250103
ECLASS-15.0	27250103

ETIM

ETIM 10.0	EC000901

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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