SK 5 - Shield connection terminal block

3025338

https://www.phoenixcontact.com/us/products/3025338

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SCREW



Shield connection clamp, for shield on busbars, contact resistance < 1 mΩ

Your advantages

- Easy handling
- Spring-loaded, large-surface pressure plate
- Suitable for direct and busbar mounting
- Knurled screw
- As components, it is not possible to certify shield connections in accordance with the requirements of the directive and standards for electrical equipment in potentially explosive areas. As such, shield connection clamps can be used in the Ex area even without an appropriate approval or marking.

Commercial data

Item number	3025338
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE75
Product key	BE7512
GTIN	4046356051835
Weight per piece (including packing)	13.22 g
Weight per piece (excluding packing)	13.22 g
Customs tariff number	85369010
Country of origin	CN

Technical data

Notes

General

Note	The shield connection clamps must not be used for strain relief of cables/conductors.
	Do not use for pretective conductor connection.

Product properties

Product type	Shield connection clamp
Pitch	9 mm
Number of connections	1
Number of rows	1

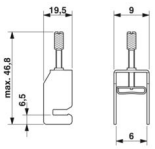
Electrical properties

Maximum power dissipation for nominal condition	0 W
Contact resistance	< 0.001 Ω

Connection data

Grounding foot	Yes
Connection method	Screw connection
Screw thread	M4
Tightening torque	... 0.4 Nm

Dimensions

Dimensional drawing	
Width	9 mm
Height	19.5 mm
Depth	46.8 mm
Pitch	9 mm

External dimensions

Outside diameter	2 mm ... 5 mm

Material specifications

Color	silver-colored
Material	Steel

Cable/line

External cable diameter	2 mm ... 5 mm

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted
Frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.02g²/Hz
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

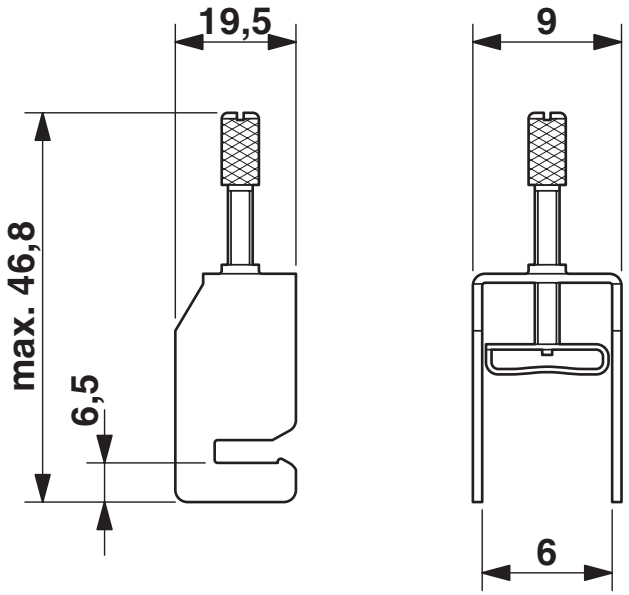
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Mounting

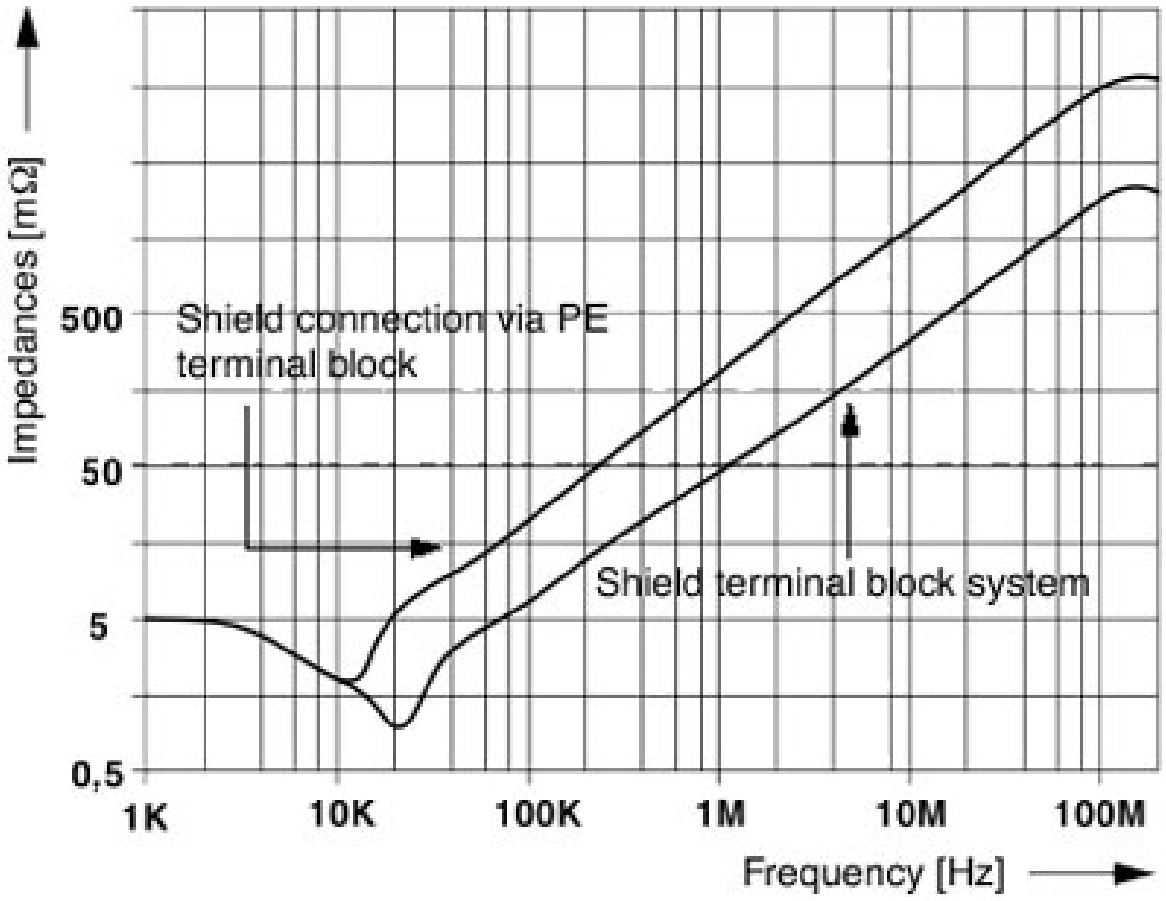
Mounting type	Neutral busbar

Drawings

Dimensional drawing



Diagram


Impedances [mΩ]
500
50
5
0,5
Shield connection via PE terminal block
Shield terminal block system
1K
10K
100K
1M
10M
100M
Frequency [Hz]

Classifications

ECLASS

ECLASS-13.0	27250309
ECLASS-15.0	27250309

ETIM

ETIM 10.0	EC002020

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%

EF3.1 Climate Change

CO2e kg	0.148 kg CO2e

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