

# TT-SLKK 5-C 12N-230AC - EMC filter



2748069

<https://www.phoenixcontact.com/us/products/2748069>

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Terminal block with radio interference suppression capacitor between clamping connector and DIN rail, separate ground connection, nominal voltage: 12 nF, for mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

## Your advantages

- Space-saving and cost-saving with a narrow overall width of just 6 mm
- Cost-optimized with tailored product features
- No useful signal interference with balanced low-pass

## Commercial data

Item number	2748069
Packing unit	50 pc
Minimum order quantity	1 pc
Sales key	CL02
Product key	CL2227
GTIN	4017918062316
Weight per piece (including packing)	21.29 g
Weight per piece (excluding packing)	21.29 g
Customs tariff number	85363010
Country of origin	DE

## Technical data

### Product properties

Product type	EMC filters
Type	Single-level terminal block – separate PE connection
Number of positions	1

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Electrical properties

Nominal voltage $U_N$	230 V AC
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### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Dimensions

Width	6.2 mm
Height	66.5 mm
Depth	69.5 mm

### Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-2
Housing material	PA

### Mechanical properties

#### Mechanical data

Open side panel	Yes
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### Protective circuit

Direction of action	Line-Earth Ground
Nominal voltage $U_N$	230 V AC
Maximum continuous operating voltage $U_C$	250 V AC
Rated current	30 A (45 °C)
Protective conductor current $I_{PE}$	typ. 1.5 mA
Cut-off frequency $f_g$ (3 dB), asym. (PE) in 50 $\Omega$ system	typ. 500 kHz
Cut-off frequency $f_g$ (3 dB), asym. (PE) in 150 $\Omega$ system	typ. 150 kHz

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Cut-off frequency $f_g$ (3 dB), asym. (PE) in 600 $\Omega$ system	typ. 40 kHz
Capacity (Core-Earth)	typ. 12 nF
	Y2

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20 (with end cover)
Ambient temperature (operation)	-20 °C ... 85 °C

## Standards and regulations

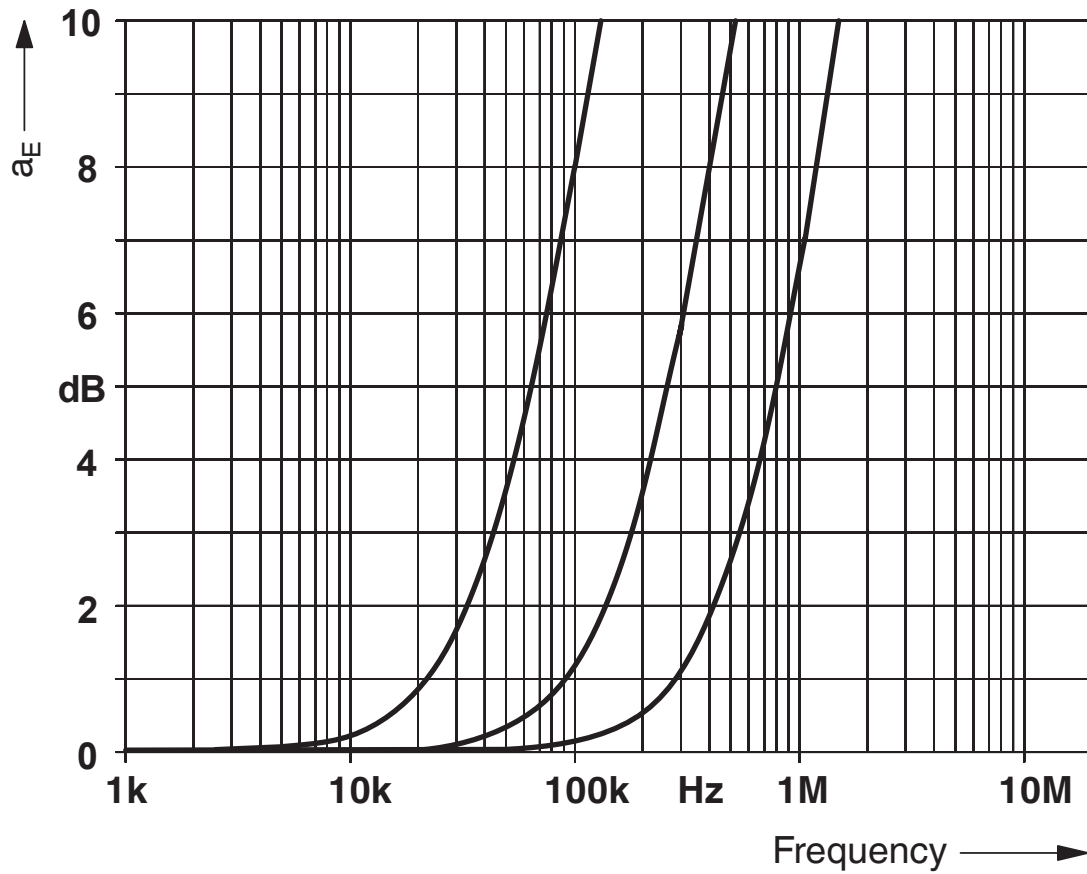
Standards/specifications	EN 60947-7-1
Note	2009
Standards/specifications	EN 60947-4-2
Note	2009
Standards/specifications	EN 60384-14

## Mounting

Mounting type	DIN rail: 35 mm
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Drawings

Diagram



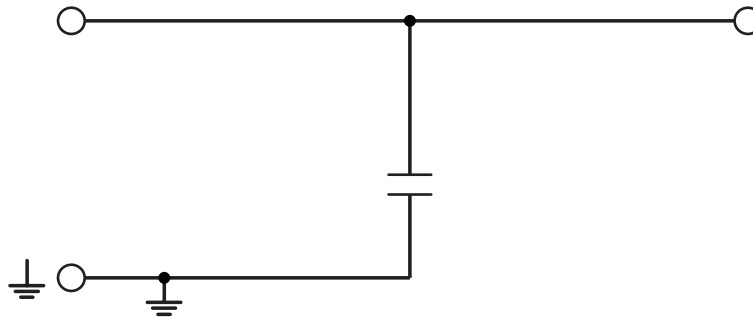
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Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27171501
ECLASS-15.0	27171501

### ETIM

ETIM 10.0	EC001466
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### UNSPSC

UNSPSC 21.0	39121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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