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2-Line Filters

B84299-K21-E

for Installations and Systems

B84299-K26

**Power line filters for single-phase systems
with additional VHF suppression**
Rated voltage 250 V~, 50/60 Hz
Rated current 10 to 25 A

Construction

- Two-line filter
- Metal case
- Screw-type cable fitting for strain relief on line side, edge protector on load side
- Feed-through capacitors

Features

- High insertion loss up to the GHz range

Applications

- Power supplies for medical equipment and industrial installations

Terminals

- Safe-to-touch terminal blocks

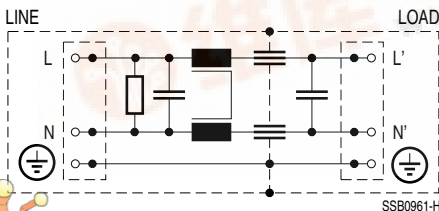
Marking

Marking on component:
Manufacturer's logo, ordering code,
rated voltage, rated current,
date code

Minimum marking on packaging:
Manufacturer's logo, ordering code



Circuit diagram



Typical circuit taking the example of B84299-K21-E



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Technical data

Rated voltage V_R	250 V~, 50/60 Hz
Rated current I_R	Referred to 40 °C ambient temperature
Test voltage V_P	1414 V~, 2 s (line/line) 2700 V~, 2 s (lines/case)
Leakage current I_{leak}	at 230 V~, 50 Hz
Climatic category	In accordance with EN 60068-1 25/085/21 (– 25 °C/+ 85 °C/21 days damp heat test)

Characteristics and ordering codes

I_R A	Terminal cross sect. mm ²	Approx. weight kg	I_{leak} mA	Ordering code	Approvals	
						
10	4	1	< 3,5	B84299-K21-E	×	×
25	4	1,8	< 3,5	B84299-K26	–	–

× = approval granted



for Installations and Systems

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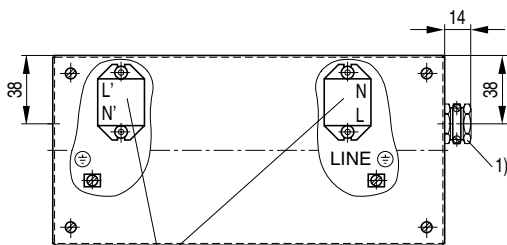
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Screw-type cable fitting
(cable diameter 9 ... 15 mm)

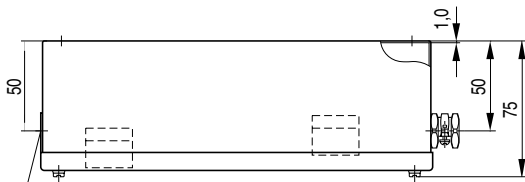


SSB1080-8

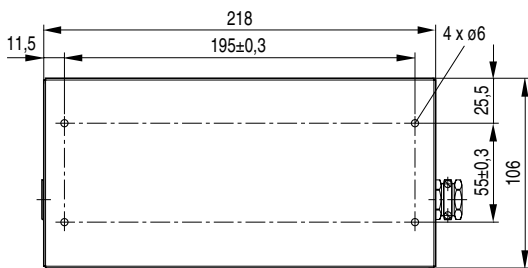
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Terminal blocks 4 mm²



Ø 13,5 with edge protector
Hole in case Ø 15,5 ± 0,4



SSB1081-G



2-Line Filters

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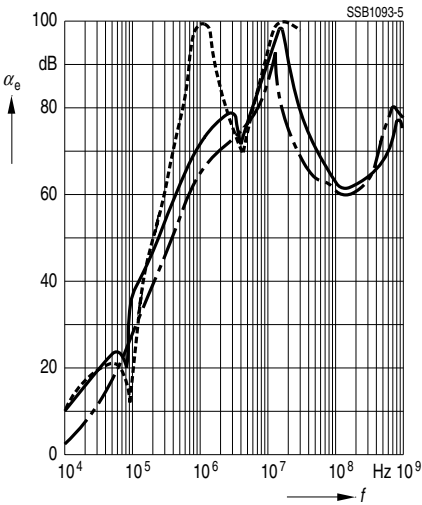
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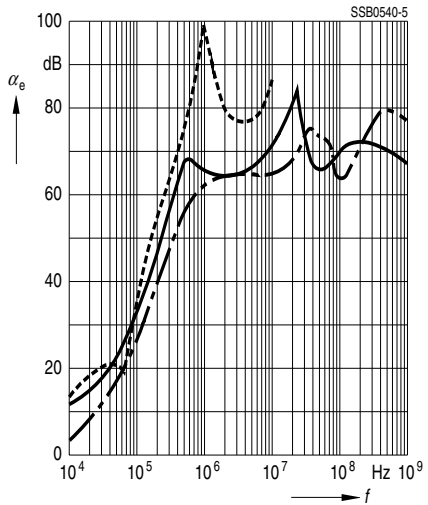
Insertion loss (typical values at $Z = 50 \Omega$)

- unsymmetrical, adjacent branches terminated
- - - - - common mode, all branches in parallel (asymmetrical)
- - - - - differential mode (symmetrical)

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