

**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

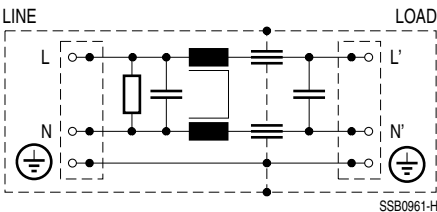
### Marking

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

**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**

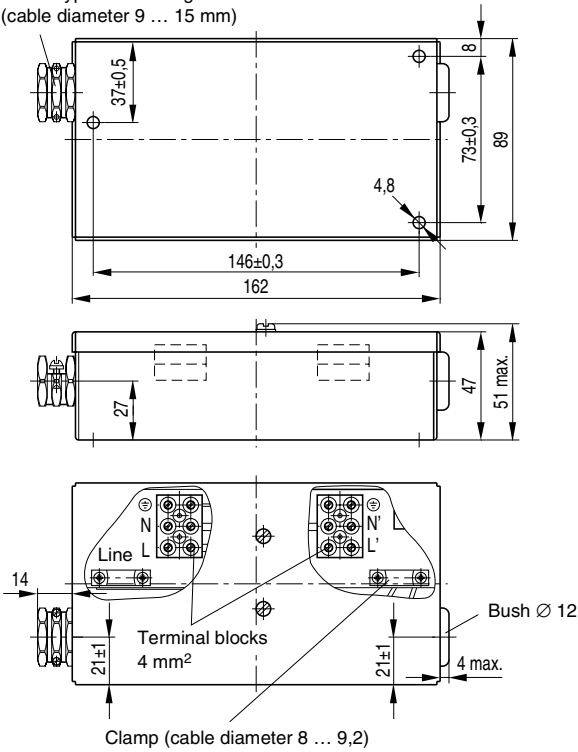
$I_R$ A	Terminal cross sect. mm <sup>2</sup>	Approx. weight kg	$I_{leak}$ mA	Ordering code	Approvals	
						
10	4	1	< 3,5	B84299-K21-E	×	×
25	4	1,8	< 3,5	B84299-K26	–	–

× = approval granted

Dimensional drawings

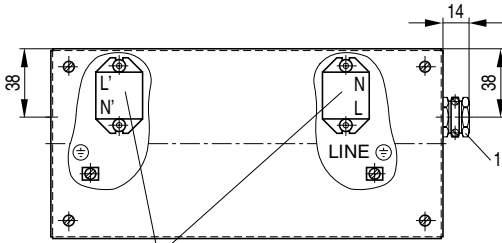
B84299-K21-E

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

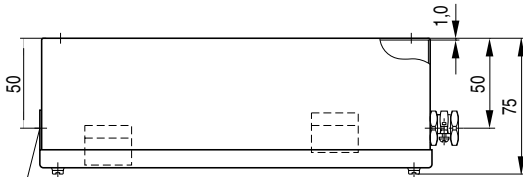


SSB1080-8

**B84299-K26**

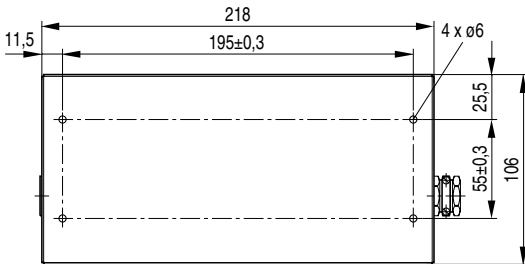


Terminal blocks 4 mm<sup>2</sup>



∅ 13,5 with edge protector

Hole in case ∅ 15,5 ± 0,4



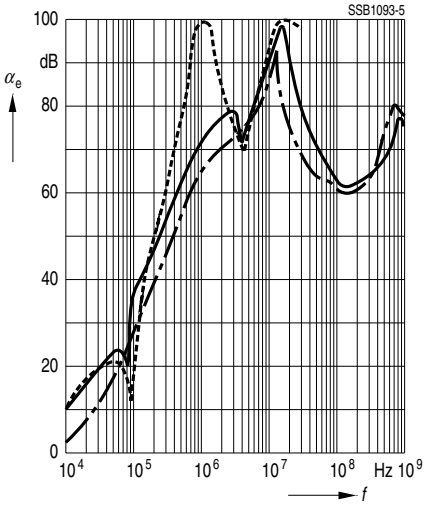
SSB1081-G

1) Screw-type cable fitting PG9, for cable diameter 8 ... 12,5 mm

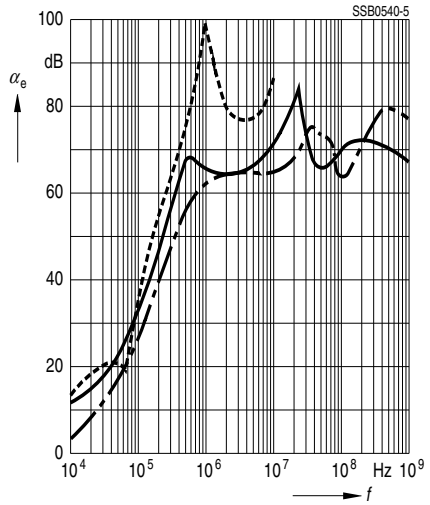
**Insertion loss** (typical values at  $Z = 50 \Omega$ )

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

B84299-K21-E



B84299-K26



**Herausgegeben von EPCOS AG**

**Marketing Kommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND**

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**Marketing Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY**

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