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4-Line Filters

B84299-K53

for Installations and Systems

... B84299-K56

Power line filters for three-phase systems

Rated voltage 440/250 V~, 50/60 Hz

Rated current 6 to 25 A

Construction

- Four-line filter
- Plastic case

Features

- High insertion loss

Applications

- Power supplies for
 - industrial installations
 - knitting machines
 - data systems
 - medical equipment

Terminals

- Safe-to-touch terminal blocks

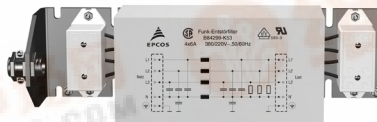
Marking

Marking on component:

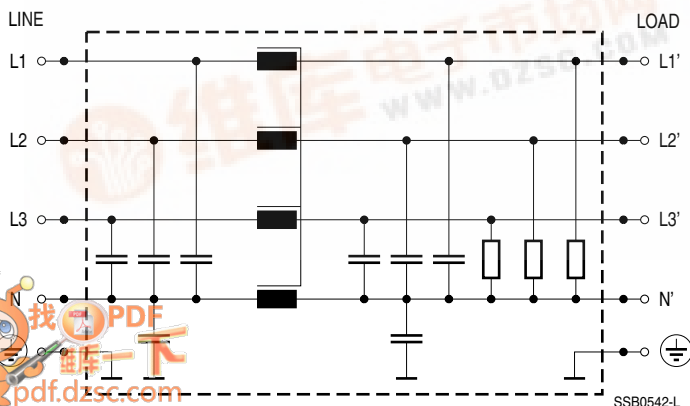
Manufacturer's logo, ordering code,
rated voltage, rated current, date code

Minimum marking on packaging:

Manufacturer's logo, ordering code



Circuit diagram





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Technical data

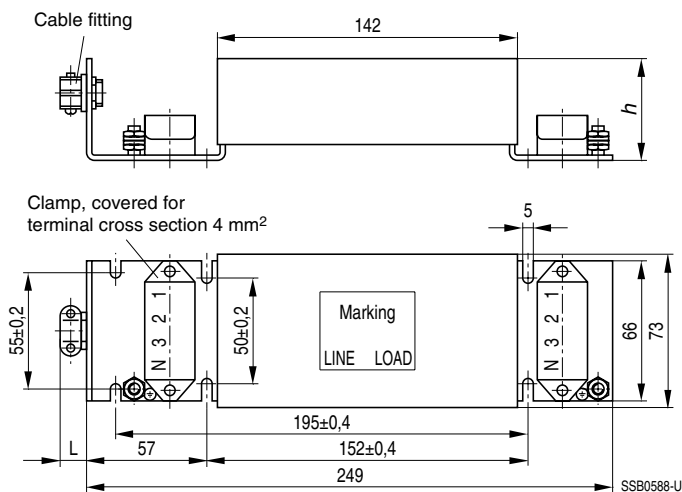
Rated voltage V_R	440/250 V~, 50/60 Hz
Rated current I_R	referred to 40 °C ambient temperature
Test voltage V_P	1414 V~, 2 s (line/line) 2700 V~, 2 s (lines/case)
Leakage current I_{leak}	< 3,5 mA at 400 V~, 50 Hz
Climatic category	in accordance with EN 60068-1 25/085/21 (– 25 °C/+ 85 °C/21 days damp heat test)

Characteristics and ordering codes

I_R	Dim. h mm	Dim. L mm	Cable fitting for cable diameter	Approx. weight kg	Ordering code	Approvals		
A								
6	50	14,5	8 ... 12,5 mm	1,1	B84299-K53	×	—	—
16	67	10,5	7 ... 15,0 mm	1,6	B84299-K55	×	—	—
25	67	15,5	9 ... 15,0 mm	1,6	B84299-K56	×	×	×

× = approval granted

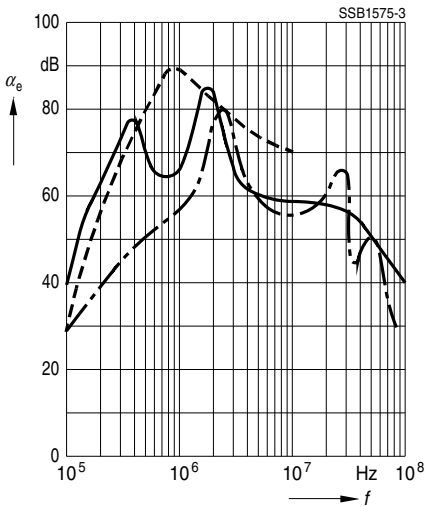
Dimensional drawing



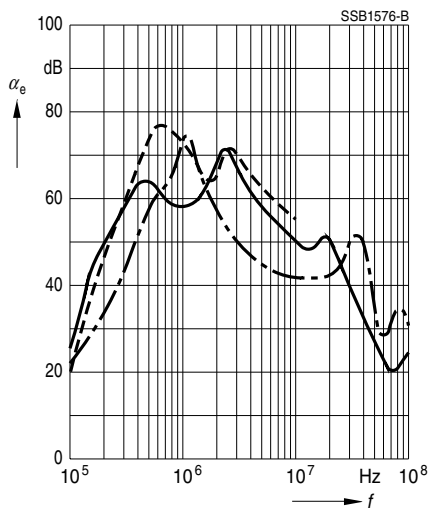
Insertion loss (typical values at $Z = 50 \Omega$)

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

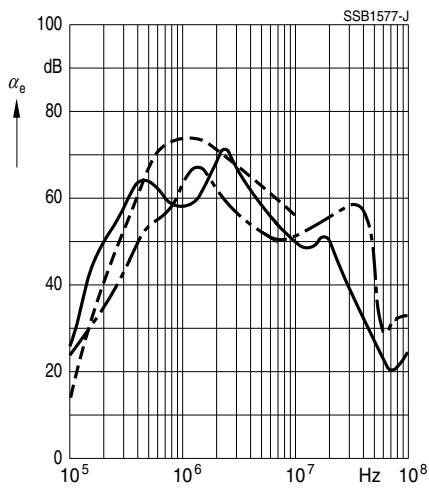
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B84299-K55



B84299-K56



Herausgegeben von EPCOS AG

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