

Power line filters for three-phase systems
Rated voltage 440/250 Vac, 50/60 Hz
Rated current $4 \times 6 \text{ A}$ to $4 \times 50 \text{ A}$



Construction

- Four-line filter
- Plastic case or metal case

Features

- High insertion loss

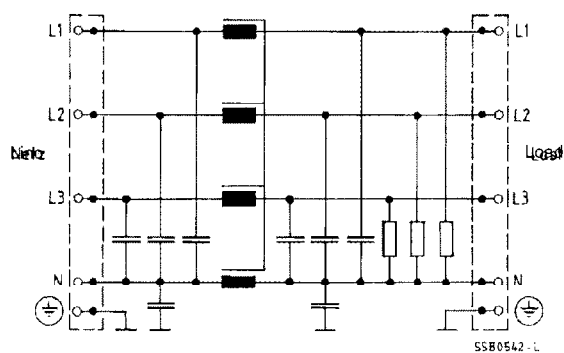
Applications

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

Terminals

- Safe-to-touch terminal blocks

Circuit diagram



Filters for Installations and Systems

**B84299-K53
... B84299-K57**

Technical data

Rated voltage V_R	440/250 Vac, 50/60 Hz
Rated current I_R	Referred to 40 °C ambient temperature
Test voltage V_P	1414 Vdc, 2 s (line/line) 2700 Vdc, 2 s (lines/case)
Leakage current I_{leak}	< 3,5 mA at 250 Vac, 50 Hz
Climatic category	In accordance with IEC 68-1 25/005/21 (– 25 °C/+ 85 °C/21 days damp heat test)

Characteristics and ordering codes

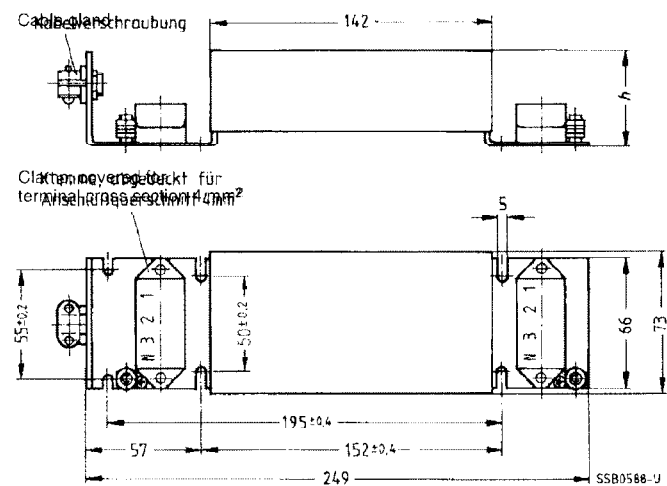
I_R	Dim. h mm	Cable gland for cable diameter	Approx. weight kg	Ordering code	Approvals		
A							
4 × 6	50	8 ... 12,5 mm	1,1	B84299-K53	×		
4 × 16	67	7 ... 15,0 mm	1,6	R84299-K55	×		
4 × 25	67	9 ... 15 mm	1,6	B84299-K56	×	×	×
4 × 50	—	—	6,3	B84299-K57-D			

× = mark of conformity granted

Outline drawing

B84299-K53 ... -K56

Plastic case



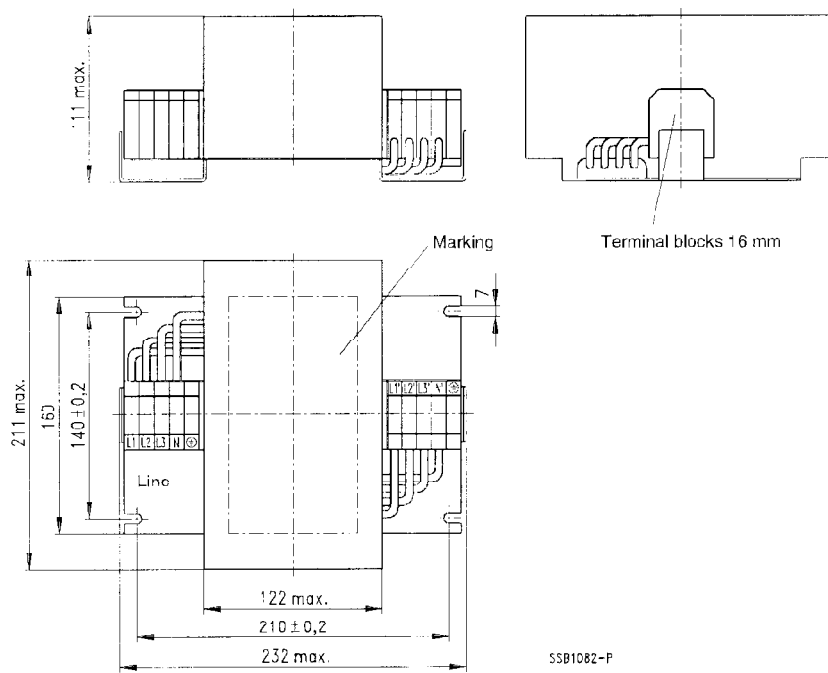
Filters for Installations and Systems

B84299-K53
... B84299-K57

Outline drawing

B84299-K57-D

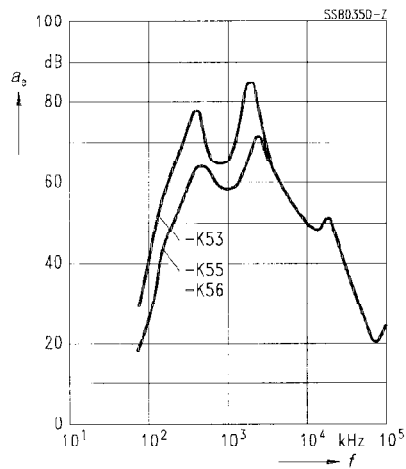
Metal case



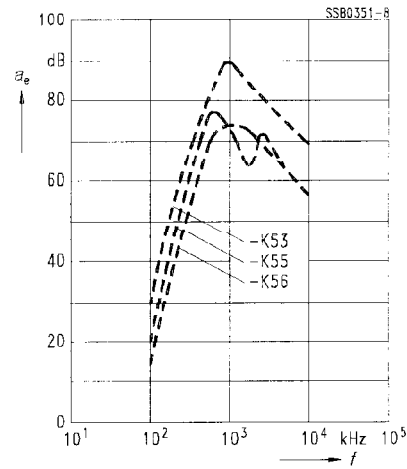
Insertion loss (typical values at $Z = 50 \Omega$)

— unsymmetrical, adjacent branches terminated
- - - symmetrical (differential mode)

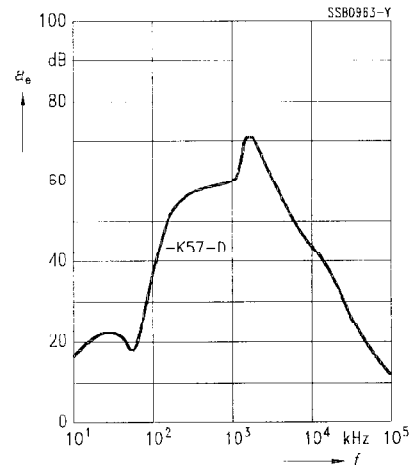
B84299-K53 ... -K56



B84299-K53 ... -K56



B84299-K57-D



B84299-K57-D

