

Power line filters for single-phase systems
 Rated voltage 250 Vac, 50/60 Hz
 Rated current 1 to 6 A



Construction

- Plastic case
- Filter comprises current-compensated choke

Features

- High insertion loss

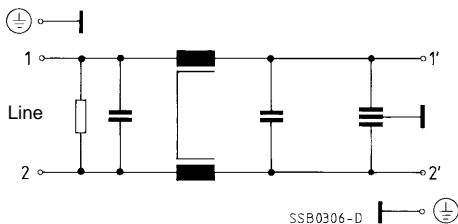
Applications

- Industrial equipment and small-size systems

Terminals

- Safe-to-touch terminal blocks

Circuit diagram



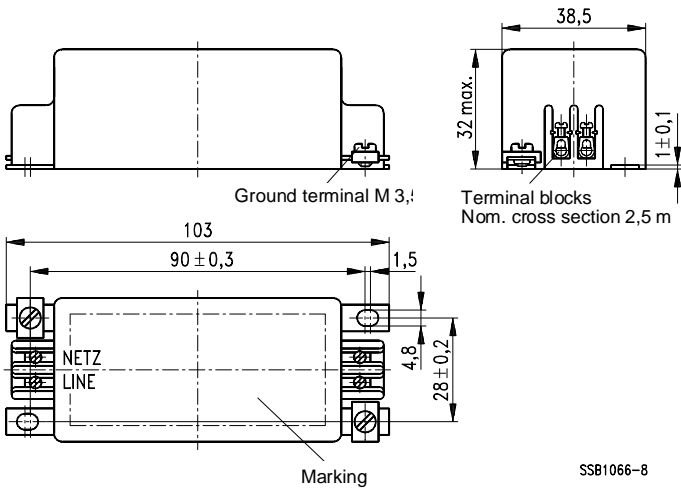
Technical data

Rated voltage V_R	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/ground)
Leakage current I_{leak}	at 250 Vac, 50 Hz
Climatic category	In accordance with IEC 68-1 25/085/21 (- 25 °C/+ 85 °C/21 days humidity test)
Weight	approx. 250 g

Characteristics and ordering codes

I_R A	C_R	L_R mH	I_{leak} mA	Ordering code
1	2 × 0,22 µF (X2) + 2 × 2500 pF (Y2)	2 × 18	< 0,5	B84102-K30
2	2 × 0,33 µF (X2) + 2 × 2500 pF (Y2)	2 × 10	< 0,5	B84102-K40
4	2 × 0,47 µF (X2) + 2 × 2500 pF (Y2)	2 × 4,7	< 0,5	B84102-K50
6	2 × 0,47 µF (X2) + 2 × 0,035 µF (Y2)	2 × 2,2	< 3,5	B84102-K160

Outline drawings

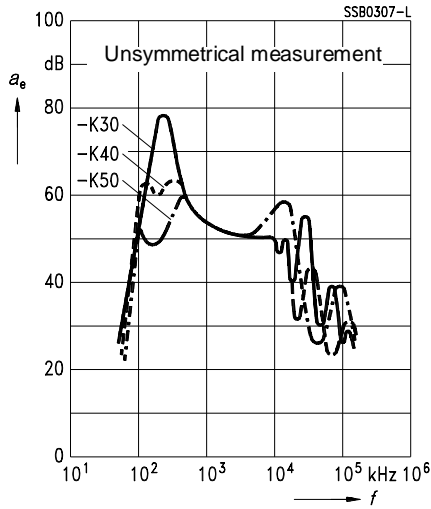


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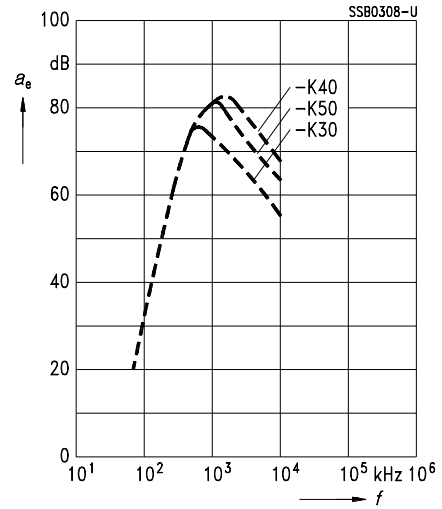
Insertion loss (typical values at $Z = 50 \Omega$)

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

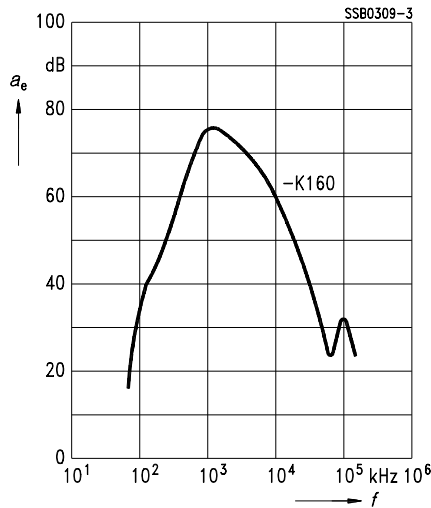
B84102-K30 ... -K50



B84102-K30 ... -K50



B84102-K160



B84102-K160

