

SIFI-C for very high attenuation
Rated voltage 250 Vac, 50/60 Hz
Rated current 3 A to 10 A

Construction

- Two-line filter
- Aluminum case

Features

- Compact design
- Low leakage current
- All relevant marks of conformity
- Cost-optimized construction

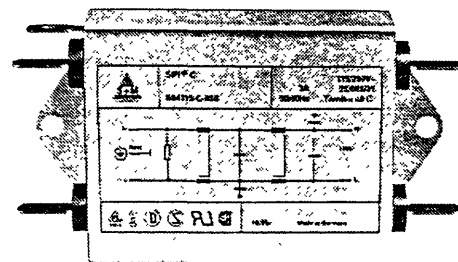
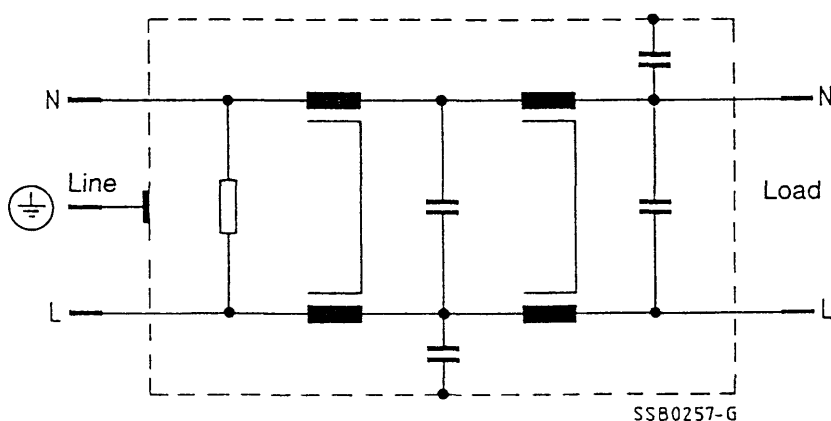
Applications

- Switch-mode power supplies in
 - industrial electronics
 - telecommunications
 - data systems
 - medical engineering

Terminals

Various terminal styles
depending on case styles A, B, K, L

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/case)
Leakage current I_{leak}	< 0,5 mA at 250 Vac, 50 Hz
Climatic category	In accordance with IEC 68-1 25/085/21 (– 25 °C/+ 85 °C/21 days damp heat test)

Characteristics and ordering codes

I_R	C_R	L_R	Case style	Appr. weight g	Ordering code	Approvals					
A											
3	2 × 0,47 µF (X2) + 2 × 4700 pF (Y2)	4 × 4,7 mH	A	210	B84113-C-A30	x	x	x	x	x	x
			B	210	B84113-C-B30	x	x	x	x	x	x
			K	270	B84113-C-K30	x	x	x	x	x	x
			L	210	B84113-C-L30	x	x	x	x	x	x
6	2 × 0,47 µF (X2) + 2 × 4700 pF (Y2)	4 × 4,7 mH	A	510	B84113-C-A60	x	x	x	x	x	x
			B	510	B84113-C-B60	x	x	x	x	x	x
			L	510	B84113-C-L60	x	x	x	x	x	x
10	2 × 0,47 µF (X2) + 2 × 4700 pF (Y2)	4 × 3,6 mH	A	690	B84113-C-A110	x	x	x	x	x	x
			B	690	B84113-C-B110	x	x	x	x	x	x
			L	690	B84113-C-L110	x	x	x	x	x	x

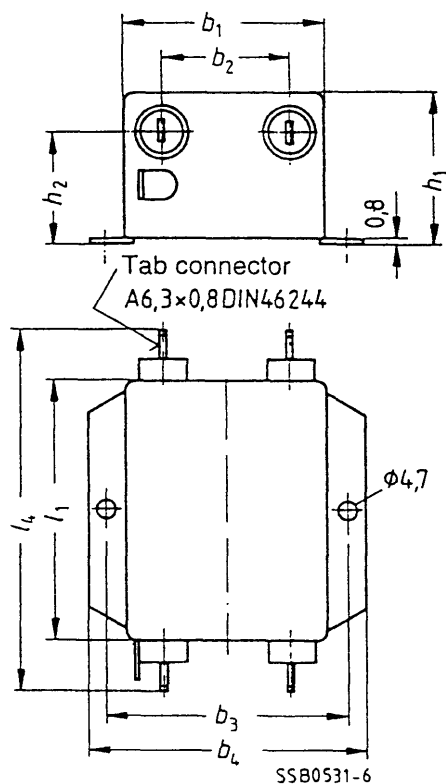
x = mark of conformity granted

Case styles and dimensions

Case style	Ordering code B84113-	Dimensions in mm										Litz mm ²	Style 1015
		b_1	b_2	b_3	b_4	l_1	l_2	l_3	l_4	h_1	h_2		
A	-C-A30	50,8	31,5	60,4	70	63,5	—	—	89,5	38,1	28	—	—
B	-C-B30	50,8	31,5	—	—	63,5	74,7	84,5	89,5	38,1	28	—	—
K	-C-K30	50,8	—	—	—	63,5	—	—	—	38	—	—	—
L	-C-L30	50,8	—	—	—	63,5	74,7	84,5	—	38,1	—	0,82	AWG18
A	-C-A60	See outline drawing											
B	-C-B60	See outline drawing											
L	-C-L60	50,8	—	—	—	133	142,9	153	—	44,5	—	0,82	AWG18
A	-C-A110	See outline drawing											
B	-C-B110	See outline drawing											
L	-C-L110	50,8	—	—	—	133	142,9	153	—	44,5	—	1,35	AWG16

Case style A

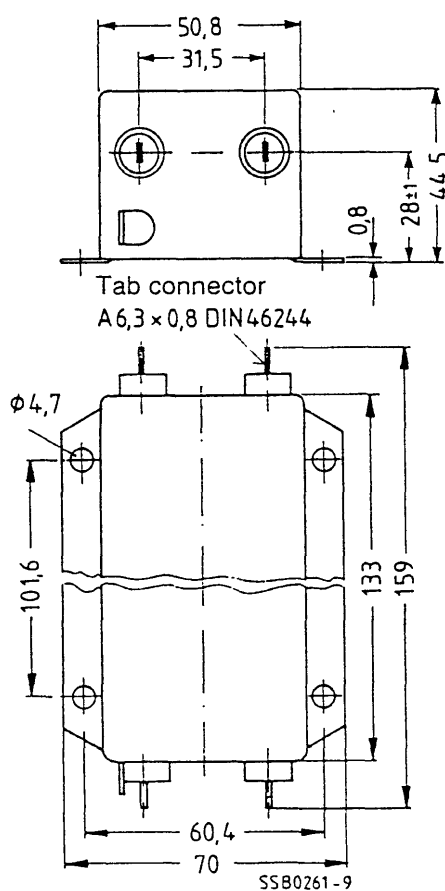
B84113-C-A30



Case style A

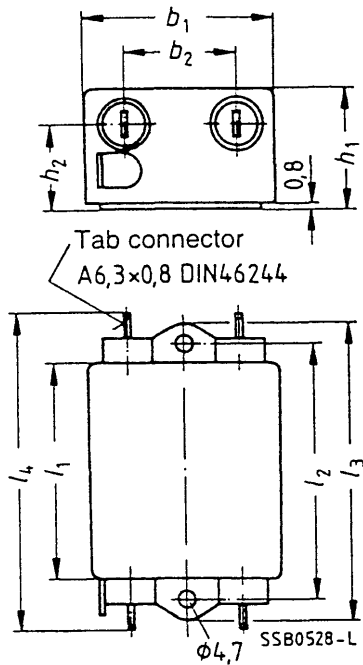
B84113-C-A60

B84113-C-A110



Case style B

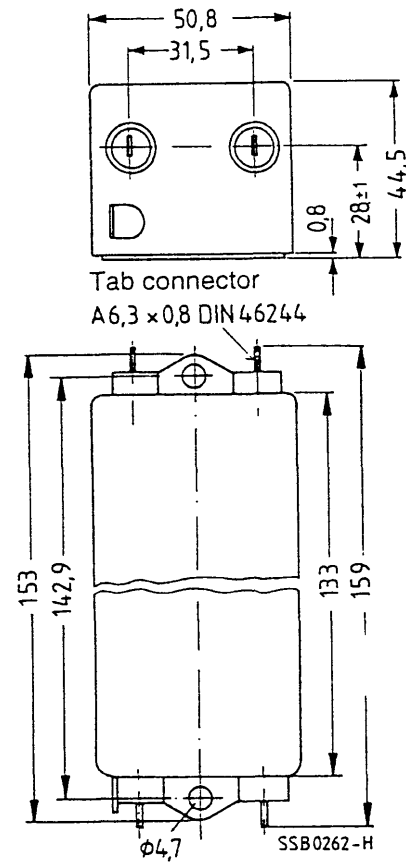
B84113-C-B30



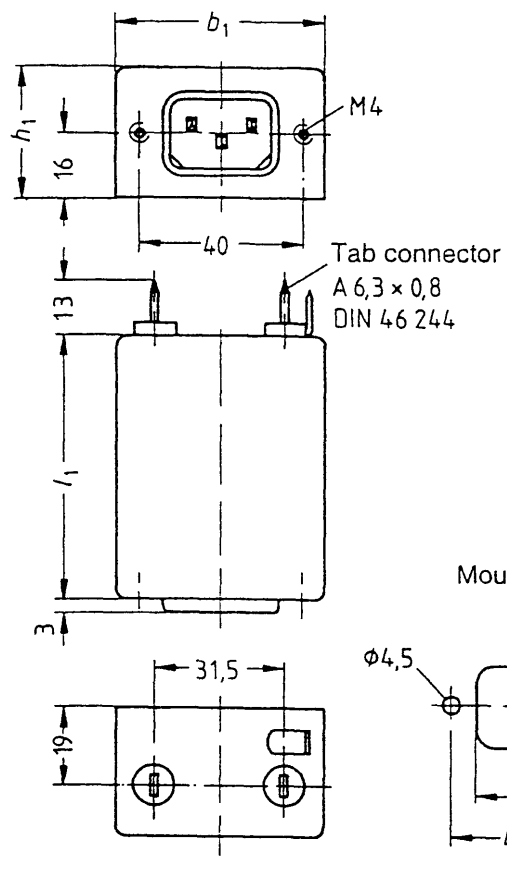
Case style B

B84113-C-B60

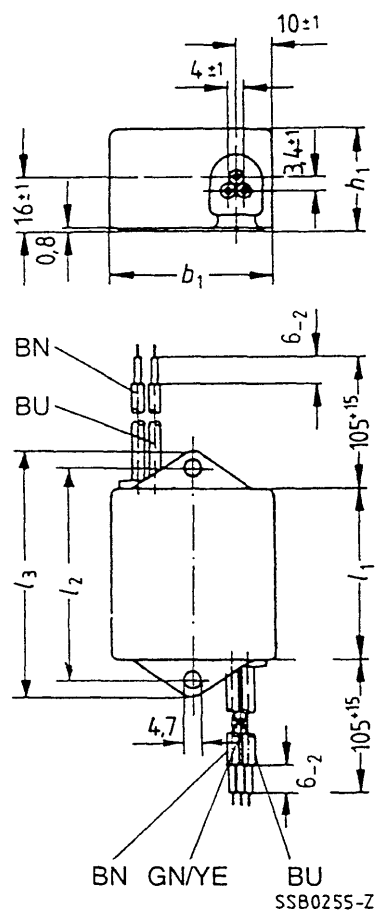
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Case style K



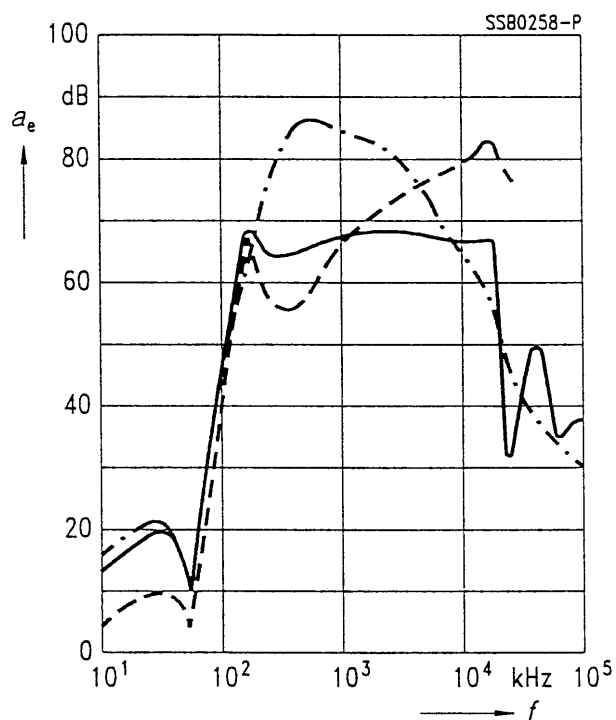
Case style L



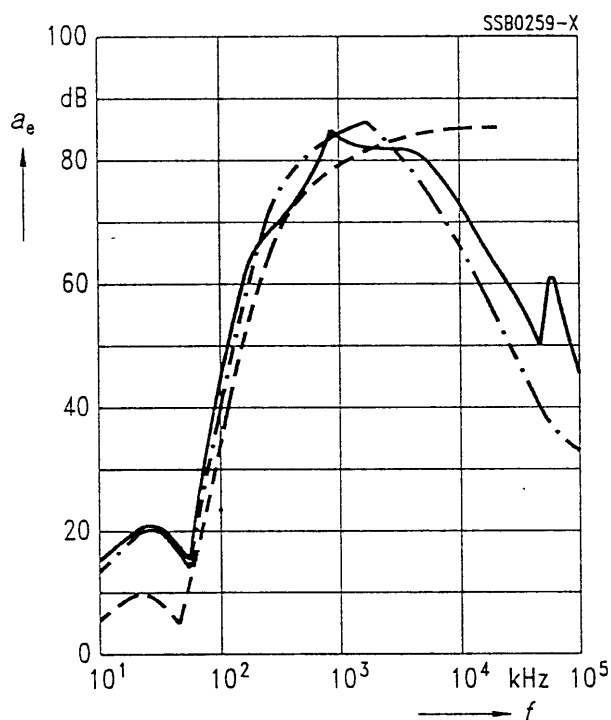
Insertion loss (typical values at $Z = 50 \Omega$)

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

B84113-C-*30



B84113-C-*60



B84113-C-*110

