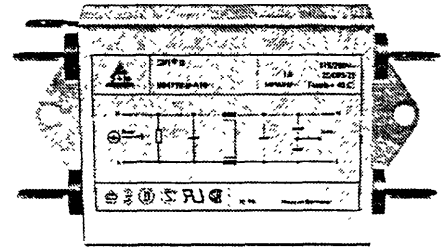


SIFI-B for enhanced attenuation
Rated voltage 250 Vac, 50/60 Hz
Rated current 1 A to 20 A



Construction

- Two-line filter
- Aluminum case

Features

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

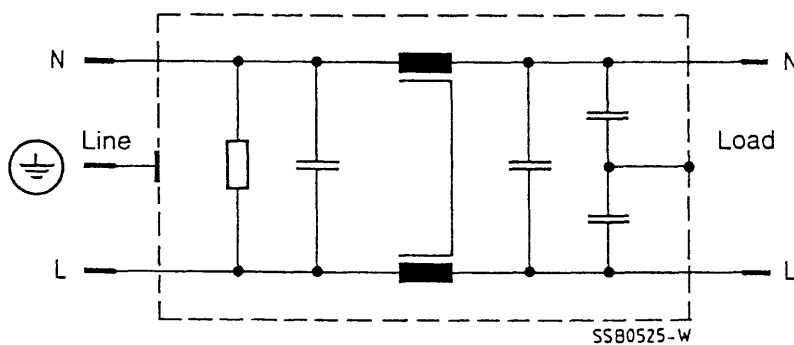
Applications

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

Terminals

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







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					
											
1	2 × 0,15 µF (X2) + 2 × 4700 pF (Y2)	2 × 10 mH	A	110	B84112-B-A10	x	x	x	x	x	x
			B	110	B84112-B-B10	x	x	x	x	x	x
			K	140	B84112-B-K10	x	x	x	x	x	x
			L	110	B84112-B-L10	x	x	x	x	x	x
2	2 × 0,15 µF (X2) + 2 × 4700 pF (Y2)	2 × 10 mH	A	110	B84112-B-A20	x	x	x	x	x	x
			B	110	B84112-B-B20	x	x	x	x	x	x
			L	110	B84112-B-L20	x	x	x	x	x	x
3	2 × 0,22 µF (X2) + 2 × 4700 pF (Y2)	2 × 10 mH	A	140	B84112-B-A30	x	x	x	x	x	x
			B	140	B84112-B-B30	x	x	x	x	x	x
			K	210	B84112-B-K30	x	x	x	x	x	x
			L	140	B84112-B-L30	x	x	x	x	x	x
			P	140	B84112-B-P30	x	x	x	-	x	x
6	2 × 0,33 µF (X2) + 2 × 4700 pF (Y2)	2 × 3,3 mH	A	150	B84112-B-A60	x	x	x	x	x	x
			B	150	B84112-B-B60	x	x	x	x	x	x
			K	210	B84112-B-K60	x	x	x	x	x	x
			L	150	B84112-B-L60	x	x	x	x	x	x
10	2 × 0,47 µF (X2) + 2 × 4700 pF (Y2)	2 × 1,8 mH	A	200	B84112-B-A110	x	x	x	x	x	x
			B	200	B84112-B-B110	x	x	x	x	x	x
			L	200	B84112-B-L110	x	x	x	x	x	x
20	2 × 0,68 µF (X2) + 2 × 4700 pF (Y2)	2 × 1,8 mH	A	700	B84112-B-A120	x	x	x	x	x	x
			B	700	B84112-B-B120	x	x	x	x	x	x

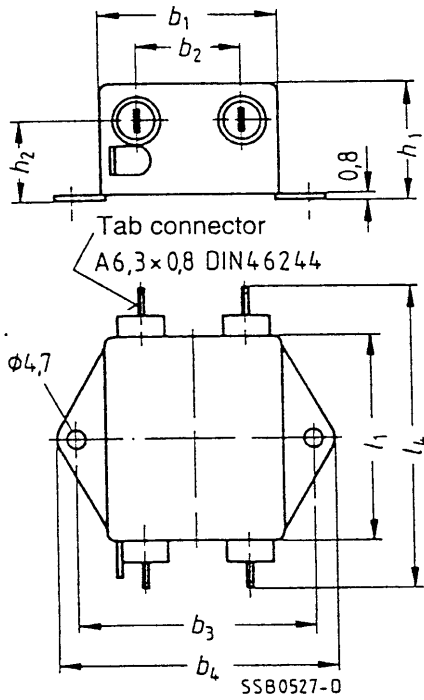
x = mark of conformity granted

Case styles and dimensions

Case style	Ordering code B84112-	Dimensions in mm										Litz mm ²	Style 1015
		<i>b</i> ₁	<i>b</i> ₂	<i>b</i> ₃	<i>b</i> ₄	<i>l</i> ₁	<i>l</i> ₂	<i>l</i> ₃	<i>l</i> ₄	<i>h</i> ₁	<i>h</i> ₂		
A	-B-A10	45	26,5	60,4	70	50	—	—	76,5	28,6	20	—	—
B	-B-B10	45	26,5	—	—	50	60,4	70	76,5	28,6	20	—	—
K	-B-K10	51	—	—	—	63,5	—	—	—	32	—	—	—
L	-B-L10	45	—	—	—	50	60,4	70	—	28,6	—	0,82	AWG18
A	-B-A20	45	26,5	60,4	70	50	—	—	76,5	28,6	20	—	—
B	-B-B20	45	26,5	—	—	50	60,4	70	76,5	28,6	20	—	—
L	-B-L20	45	—	—	—	50	60,4	70	—	28,6	—	0,82	AWG18
A	-B-A30	50,8	31,5	60,4	70	63,5	—	—	89,5	28,6	20	—	—
B	-B-B30	50,8	31,5	—	—	63,5	74,7	84,5	89,5	28,6	20	—	—
K	-B-K30	50,8	—	—	—	79,5	—	—	—	32	—	—	—
L	-B-L30	50,8	—	—	—	63,5	74,7	84,5	—	28,6	—	0,82	AWG18
P	-B-P30	See outline drawing											
A	-B-A60	50,8	31,5	60,4	70	63,5	—	—	89,5	28,6	20	—	—
B	-B-B60	50,8	31,5	—	—	63,5	74,7	84,5	89,5	28,6	20	—	—
K	-B-K60	50,8	—	—	—	79,5	—	—	—	32	—	—	—
L	-B-L60	50,8	—	—	—	63,5	74,7	84,5	—	28,6	—	0,82	AWG18
A	-B-A110	50,8	31,5	60,4	70	63,5	—	—	89,5	38,1	28	—	—
B	-B-B110	50,8	31,5	—	—	63,5	74,7	84,5	89,5	38,1	28	—	—
L	-B-L110	50,8	—	—	—	63,5	74,7	84,5	—	38,1	—	1,35	AWG16
A	-B-A120	See outline drawing											
B	-B-B120	See outline drawing											

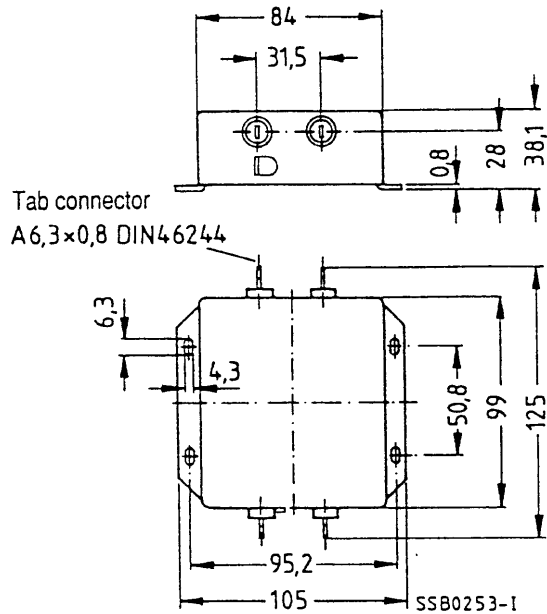
Case style A

B84112-B-A10 ...
B84112-B-A110



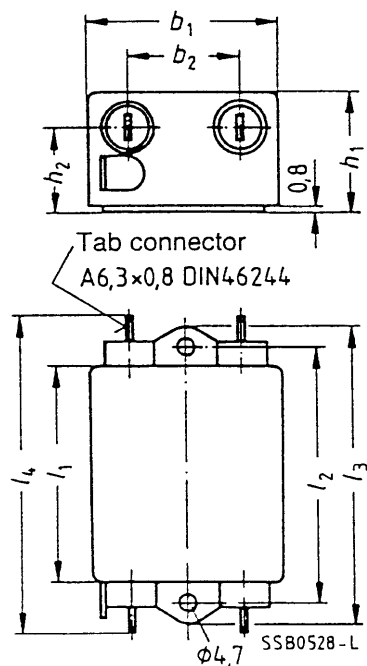
Case style A

B84112-B-A120



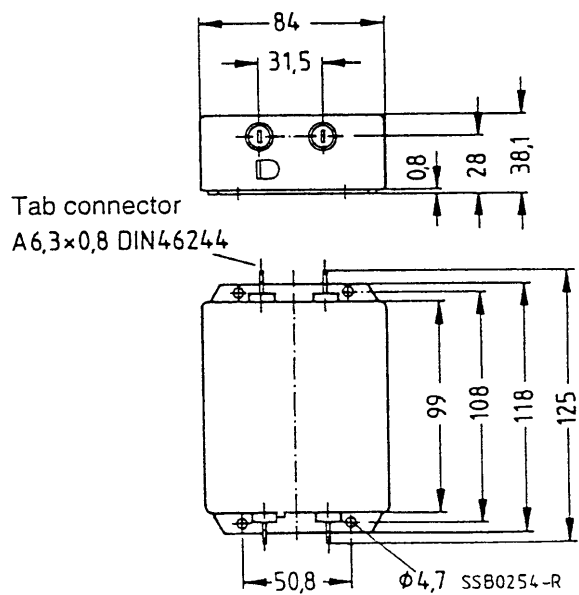
Case style B

B84112-B-B10 ...
B84112-B-B110

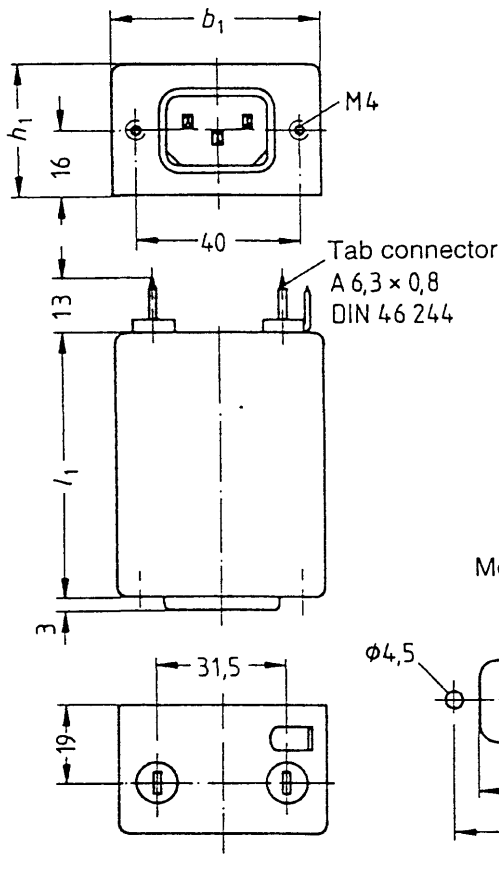


Case style B

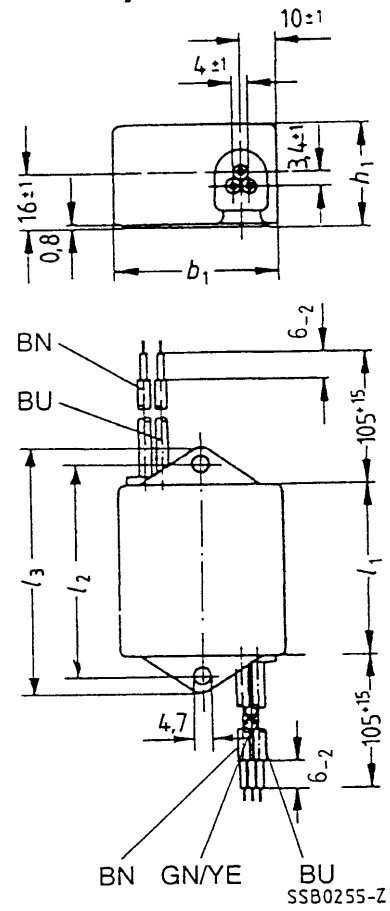
B84112-B-B120



Case style K



Case style L



Case style P

