



Chokes for Power Lines

B82791-H

Current-Compensated Ring Core Double Chokes

B82791-G

Rated voltage 250 Vac  
 Rated current 0,25 to 0,7 A  
 Rated inductance 4,7 to 47 mH

**Construction**

- Current-compensated ring core double choke with ferrite core
- Polycarbonate case
- Without potting
- Sector winding

**Features**

- Vertical and horizontal versions
- Case flame-retardant as per UL 94 V-0
- High resonance frequency owing to special winding technique and omission of potting
- > 1 % stray inductance for symmetrical interference suppression

**Applications**

- Compact and narrow electronic lamp ballasts
- Telecom applications such as NTBA, PCMx
- Integrated power supplies for video recorders, portable TVs, SAT receivers, set-top boxes, video-on-demand
- Automation, e.g. sensor modules with integrated power supplies
- Electronic transformers, e.g. for halogen lamps
- Plug-in and portable power supplies and chargers for cellular and cordless phones
- Compact, modular and desktop power supplies

**Terminals**

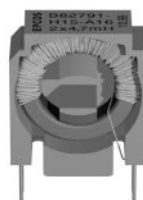
- Fitting PCB standard grid

**Marking**

Ordering code, rated current, rated inductance, rated voltage, manufacturer, date of manufacture

**Approvals**

Approval marks	Standards
	EN 60938-2 UL 1283





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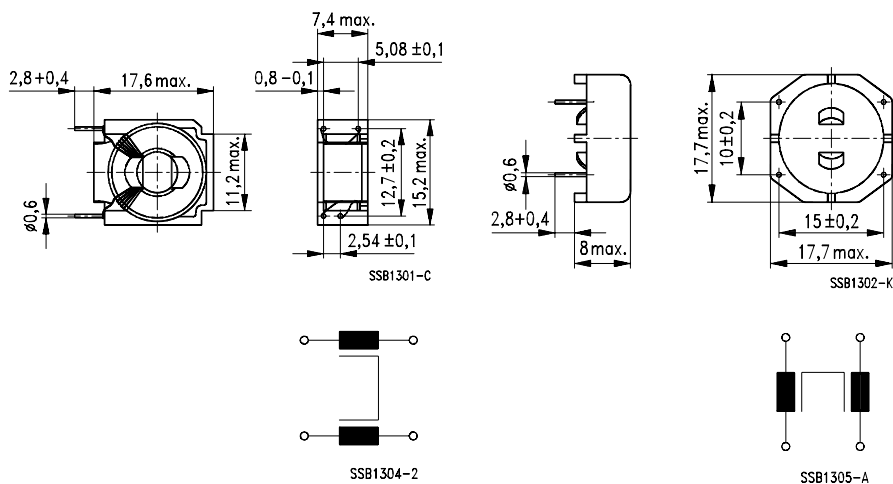
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**Dimensional drawing and pin configuration**

Vertical version (B82791-H)

Horizontal version (B82791-G)



**General technical data**

Test voltage $V_T$	1500 Vac, 2 s (line/line)
Rated current $I_R$	Referred to 50 Hz and 40 °C ambient temperature
Inductance tolerance	- 30/+ 50 %
Weight	Approx. 3 g

For further technical data [see page 334](#)

**Characteristics and ordering codes**

$I_R$ A	$L_R$ mH	$L_S, typ$ μH	$R_{typ}$ mΩ	Ordering code	
				vertical version	horizontal version
0,25	47	750	2400	B82791-H2251-N20	B82791-G2251-N20
0,3	30	400	2200	B82791-H2301-N1	B82791-G2301-N1
0,35	22	350	1900	B82791-H2351-N1	B82791-G2351-N1
0,4	15	225	1350	B82791-H2401-N1	B82791-G2401-N1
0,5	10	150	1000	B82791-H2501-N1	B82791-G2501-N1
0,6	6,8	100	630	B82791-H2601-N1	B82791-G2601-N1
0,7	4,7	70	440	B82791-H2701-N1	B82791-G2701-N1



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Impedance  $|Z|$  versus frequency  $f$   
(measured with windings in parallel)

