

**Quad Chokes**

**Rated voltage 42 Vac/80 Vdc**  
**Rated current 0,1 A**  
**Rated inductance 0,2 to 6 mH**

**Construction**

- Current-compensated ring core quad choke with ferrite core
- Plastic case


**Features**

- Suitable for automatic insertion
- Case flame-retardant as per UL 94 V-0

**Applications**

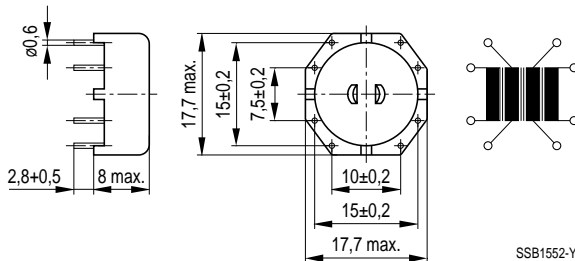
- Suppression of asymmetrical interference coupled in on data lines, already effective at 10 kHz, e.g. in
  - telephone lines (analog, ISDN)
  - interfaces with balanced-to-ground data transmission

**Terminals**

- Pins fitting standard PCB grid

**Marking**

Ordering code, rated inductance, manufacturer, date of manufacture (month, year)

**Maßbild**


**Quad Chokes**
**General technical data**

|                                    |  |
|------------------------------------|--|
| Rated voltage $V_R$                | 42 Vac (50/60 Hz); 80 Vdc  |
| Rated current $I_R$                | Referred to 50 Hz and 60 °C ambient temperature  |
| Rated inductance $L_R$             | Measured with HP 4275A at<br>$L \leq 1$ mH = 100 kHz, 0,1 mA; $L > 1$ mH = 10 kHz, 0,1 mA<br>(specified per winding) |
| Inductance tolerance               | $\pm 30$ %   |
| Inductance decrease $\Delta L/L_0$ | $< 10$ % at dc magnetic bias with $I_R$  |
| Stray inductance $L_S$             | Measured at<br>$L \leq 1$ mH = 100 kHz, 5 mA; $L > 1$ mH = 10 kHz, 5 mA  |
| DC resistance $R_{typ}$            | Typical values, measured at 20 °C ambient temperature  |
| Climatic category                  | 40/125/56 (– 40 °C/+ 125 °C/56 days damp heat test)<br>in accordance with IEC 60068-1                                |
| Weight                             | Approx. 4 g  |

**Characteristics and ordering codes**

| $L_R$<br>mH | $L_{S, typ}$<br>$\mu$ H | $I_R$<br>mA | $R_{typ}$<br>$\Omega$ | $V_T$<br>Vdc, 2 s | Ordering code  |
|-------------|-------------------------|-------------|-----------------------|-------------------|----------------|
| 6           | 3                       | 100         | 0,92                  | 750               | B82791-G14-A12 |
| 4,7         | 2,5                     | 100         | 0,90                  | 750               | B82791-G14-A16 |
| 0,2         | 1,5                     | 100         | 0,18                  | 750               | B82791-G14-A17 |

**Impedance  $|Z|$   
versus frequency  $f$** 
