

Current-Compensated Ring Core Quad Chokes

Rated voltage 440/250 Vac

Rated current 16 bis 75 A

Rated inductance 0,9 bis 1,8 mH

Construction

- Current-compensated ring core quad choke with ferrite core
- Aluminum case
- Fixing by means of base plate
- Polyurethane potting
- Sector winding

Features

- Potting flame-retardant as per UL 94 V-0

Applications

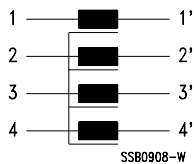
- Switch-mode power supplies for converters, UPS
- Power supplies, medical equipment
- Chargers
- Traction applications

Terminals

- Unidirectional, tinned leads or litz wires

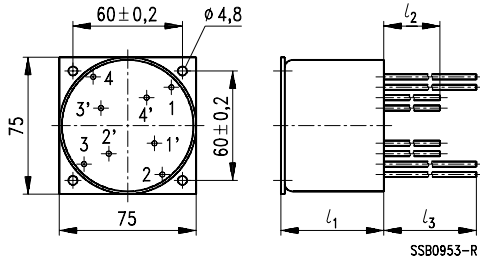
Marking

Manufacturer, ordering code, rated current, rated inductance, rated voltage, climatic category, terminal markings


Circuit diagram


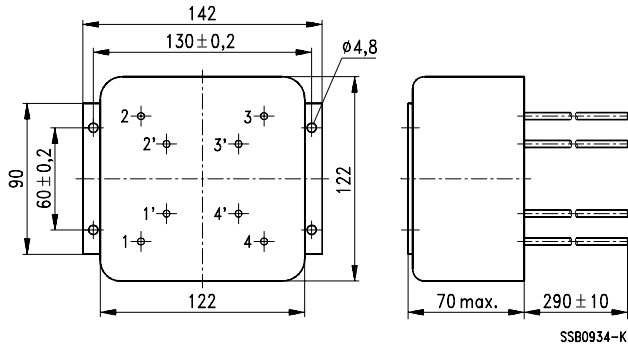
Dimensional drawings

B82765-C1-A5, -C2-A6

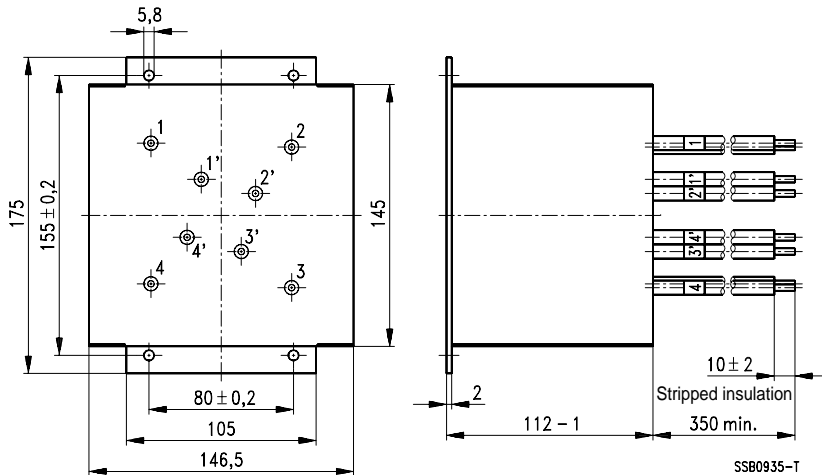


Type	l_1 mm	l_2 mm	l_3 mm
B82765-C1-A5	47	160	160
B82765-C2-A6	58	110	360

B82765-C5-A7



B82765-C6-A11



General technical data

Test voltage V_T	2500 Vac, 2 s (line/line) 2500 Vac, 2 s (line/case)
Rated current I_R	Referred to 50 Hz and 60 °C ambient temperature
Inductance tolerance	$\pm 30 \%$
$\Delta L/L_0$	< 20 % at dc loading with I_R

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

Characteristics and ordering codes

I_R A	L_R mH	R_{typ} m Ω	Weight kg	Terminal	Ordering code
16	1,8	20	0,45	$2 \times 1,18 \text{ mm } \varnothing \text{ CuL}$	B82765-C1-A5
25	1,3	7	0,75	Litz wire 4,2 mm ²	B82765-C2-A6
50	1,3	3,75	1,7	Litz wire 11,5 mm ²	B82765-C5-A7
75	0,9	2,5	6,5	Litz wire 16,7 mm ²	B82765-C6-A11

Impedance $|Z|$ versus frequency f

(measured with windings in parallel)

B82765-

