**Rated voltage 440/250 Vac**
**Rated current 50 to 200 A**
**Rated inductance 0,12 to 1,3 mH**


### Construction

- Current-compensated ring core triple 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
- High power

### Applications

- Switch-mode power supplies for converters, USV
- Power supplies, medical equipment
- Track vehicles, chargers

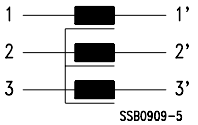
### Terminals

- Litz wires or stud terminals

### Marking

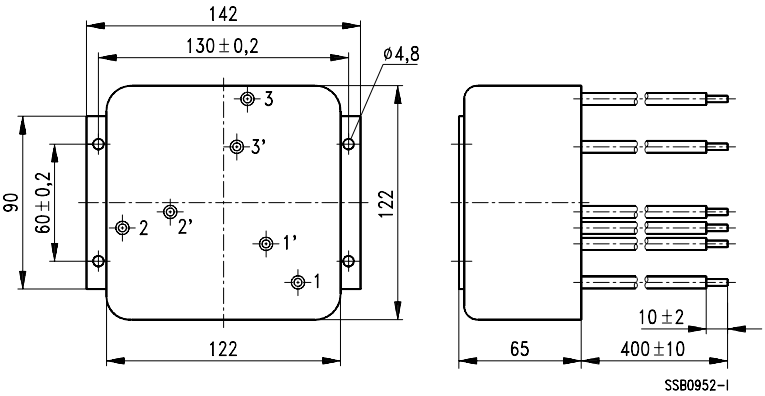
Manufacturer, ordering code, rated current, rated inductance, rated voltage, climatic category, terminal markings

### Circuit diagram

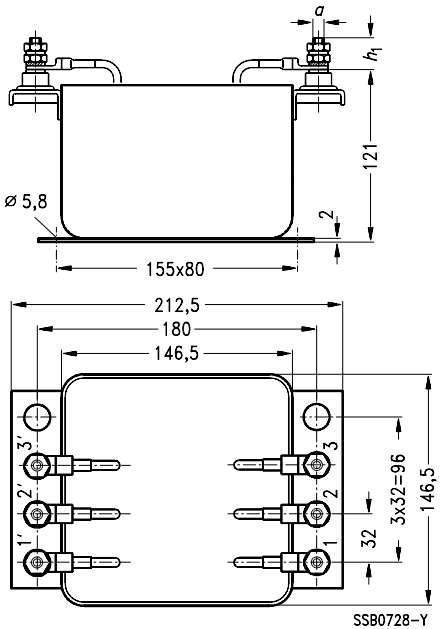


## Dimensional drawings

### B82745-C5-A7




### B82745-C2-A10, -A13




| Type | *a* | $h_1$ |
|---|---|---|
| B82745-C2-A10 | M 10 | 30 mm |
| B82745-C2-A13 | M 8 | 20 mm |

### General technical data

| | |
|---|---|
| Test voltage $V_T$ | 2500 Vac, 2 s (line/line)<br>2500 Vac, 2 s (line/case) |
| Rated current $I_R$ | Referred to 50 Hz and 60 °C ambient temperature |
| Inductance tolerance | ± 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 | $R_{typ}$ mΩ | Weight kg | Terminal | Ordering code |
|---|---|---|---|---|---|
| 50 | 1,3 | 3,75 | 1,7 | Litz wire 4,2 mm² | B82745-C5-A7 |
| 100 | 0,33 | 0,65 | 6,0 | Stud terminal M 10 | B82745-C2-A10 |
| 200 | 0,12 | 0,28 | 6,3 | Stud terminal M 8 | B82745-C2-A13 |

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