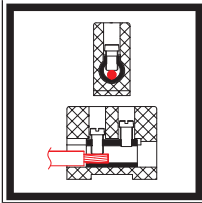


Steatite connection blocks, 250V range
With pressure screws, protected against electric shock

Type BA

Main features



**C221
unglazed
ceramic**



Applications: These high-quality and **small foot-print** terminal blocks allow efficient and easy wiring of halogen lamps, heating elements, infrared heaters and quartz tube heaters. Because of their construction, they are non-flammable and resistant to temperature and humidity without losing their electrical and insulating characteristics.

They are built according to the specifications of IEC 60998-1 and IEC 60998-2, for a maximum voltage of **250V**.

Ceramic: Steatite type C221, unglazed, slightly creamy color.

Typical insulation between two terminals (500V measuring voltage):

- at 20°C (70°F): 300 MΩ
- at 100°C (212°F): 150 MΩ
- at 200°C (390°F): 110 MΩ
- at 300°C (570°F): 90 MΩ
- at 400°C (750°F): 60 MΩ

The insulation values with respect to the earth are approximately 2 times greater. The EN 60998 standard imposes an insulation resistance greater than 5 MΩ. Their insulating characteristics are therefore about 10 to 12 times higher, including at 400°C (750°F).

Dielectric strength: higher than **3000V**. Minimum distance through ceramic insulation between 2 terminals: **1.2mm**.

Screw: Galvanized steel 4.8, reduced diameter slotted cylindrical head, according to DIN 920

Terminals: CuZn40Pb2 brass, high mechanical strength. Models with nickel plated brass terminals are available on request (MOQ apply)

Maximum operating voltage: **250V**, in pollution class 3. (Pollution class 3 defines micro-environmental conditions causing conductive pollution or non-conductive pollution that may become conductive if condensation can occur).

Clearances and creepage distances: **≥ 3mm** between mounting face and terminals, between terminals, and between two connection blocks mounted side by side.

Live parts: Protected against accidental electrical contact (Standard Finger Type A according to IEC 61032).

Mounting: With the exception of the single-wire terminals, the terminal blocks have one or two holes for installing them with a screw on a wall or a board. A hexagonal recess makes it possible to place a round-headed or hexagonal-headed screw, or a nut. This allows mounting with clamping by the front or the back.

Maximum ambient temperature:

- Permanent: 230°C / 450°F
- Peak (duration <90 minutes): 450°C / 840°F

The temperature resistance values of the brass connectors were validated by pull tests of the wires according to EN 60998, carried out after 48H at 230°C (450°F) or 90 minutes at 450°C (840°F).

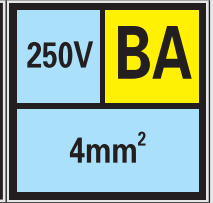
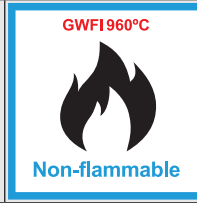
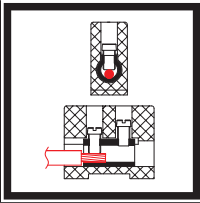
Applicable standards: (IEC) EN 60998-1; (IEC) EN 60998-2-1

Attention: Special care must be taken to avoid reducing the insulation and safety distances from electric shock during installation: avoid the use of inappropriate mounting screws, respect wire stripping lengths and insert wires inside the terminal until the insulation comes into contact with the brass.

Steatite connection blocks 250V range



Protected against accidental electric contact, brass terminals, nickel plated steel screws.



4 mm²

| BA041 | 6 gr. | SOLID CONDUCTOR | BA042 | 11 gr. |
|-------|--------|---|-------|--------|
| | | <p>4mm² / 2.5mm² / 1.5mm² AWG 12 / AWG14 / AWG16</p> <p>STRANDED CONDUCTOR</p> <p>4mm² / 2.5mm² / 1.5mm² AWG 12 / AWG14 / AWG16</p> <p>0.4 N.m M2.6</p> | | |
| BA043 | 17 gr. | SOLID CONDUCTOR | BA044 | 23 gr. |
| | | <p>4mm² / 2.5mm² / 1.5mm² AWG 12 / AWG14 / AWG16</p> <p>STRANDED CONDUCTOR</p> <p>4mm² / 2.5mm² / 1.5mm² AWG 12 / AWG14 / AWG16</p> <p>0.4 N.m M2.6</p> | | |

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

