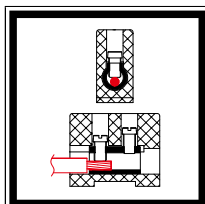


## Type BA

### Main features



**C221**  
**unglazed**  
**ceramic**



GWFI 960°C



Non-flammable

**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:**  $\geq$  **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).

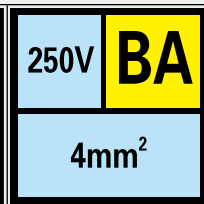
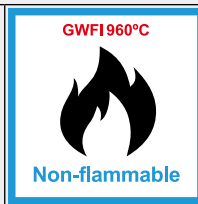
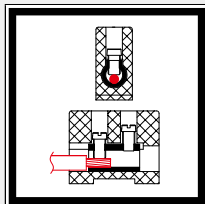
**Applicable standards:** (IEC) EN 60998-1; (IEC) EN 60998-2-1

**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.



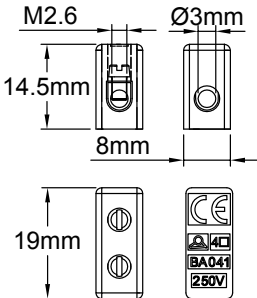
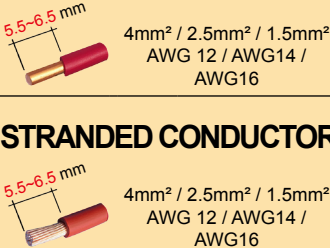
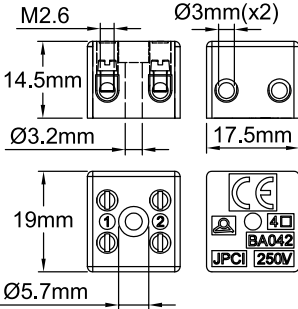
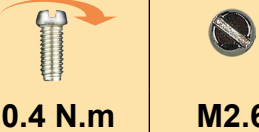


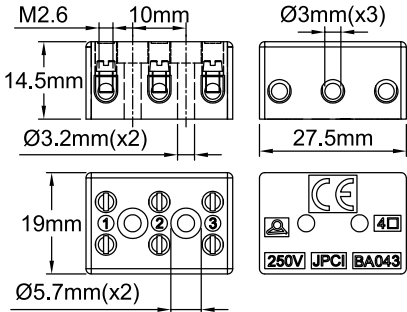
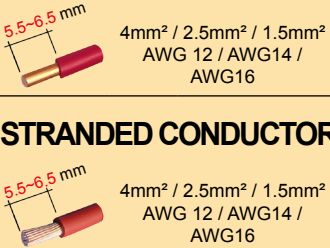
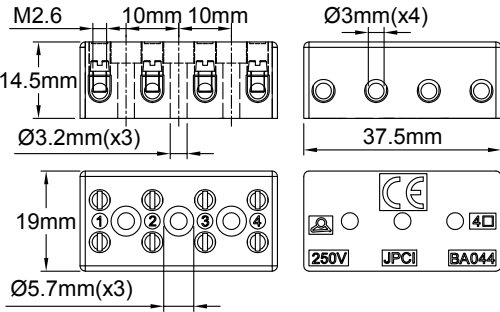
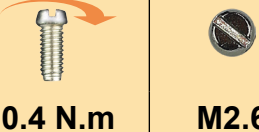
# Steatite connection blocks 250V range



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



**4 mm<sup>2</sup>**

|   |  |   |  |                        |  |              |  |  |
|---|--|---|--|------------------------|--|--------------|--|--|
| <b>BA041</b>  |  |  6 gr. | <b>SOLID CONDUCTOR</b>   |                        | <b>BA042</b>   |              |  11 gr. |  |
|    |  |   |           |                        |   |              |  |  |
|   |  |   |          |                        |  |              |  |  |
| <b>BA043</b>  |  |   |  17 gr. | <b>SOLID CONDUCTOR</b> |  | <b>BA044</b> |  |  23 gr. |
|  |  |   |         |                        |  |              |  |  |
|   |  |   |         |                        |  |              |  |  |

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

