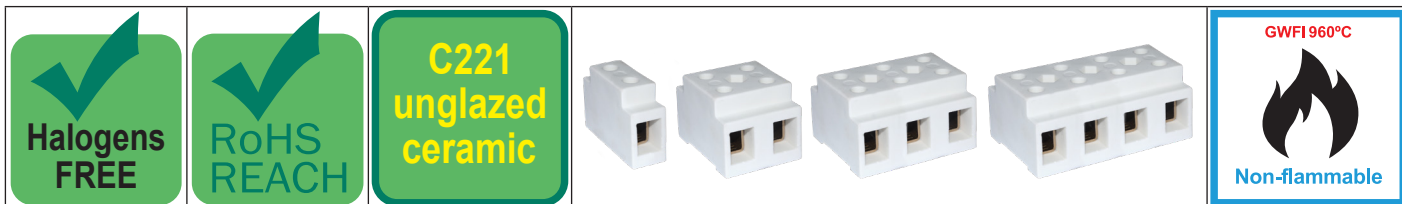


Steatite connection blocks 450V range. Protected against accidental electric contact, stamped brass terminals, nickel plated steel screws.

Type BL

Main features



Applications: The BL series differs from the BU series by its terminals, which are stamped brass and not machined from rod. This configuration, which allows rectangular holes for the passage of conductors, also allows to admit a wider range of cross-sections, while providing a significant economy of material. This series has versions with direct pressure screws and indirect clamping by stainless steel pressure plate, more suitable for flexible and extra-flexible conductors.

These terminal blocks allow efficient and easy wiring of halogen lamps, heating elements, infrared heaters, quartz tube heaters, as well as for the wiring of ovens and professional catering and cooking equipment. 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 450V.

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

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

at 20°C (70°F): 300 MΩ

at 100°C (212°F): 250 MΩ

at 200°C (390°F): 200 MΩ

at 300°C (570°F): 190 MΩ

at 400°C (750°F): 190 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 20 to 40 times higher, including at 400°C (750°F).

Dielectric strength: higher than 3000V. Minimum insulation distance through ceramic between 2 terminals: 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: 450V, in pollution class 3. (Pollution class 3 defines micro-environmental conditions causing conductive pollution or non-conductive pollution that may become conductive if condensation occurs).

Insulation distances: Greater than 4mm 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 connector 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).

Options: Nickel plated steel terminals

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.

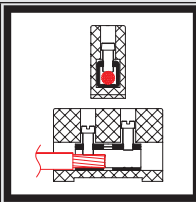
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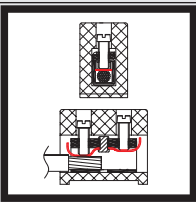
Steatite connection blocks 450V range



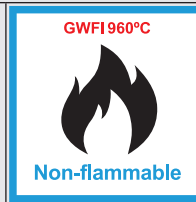
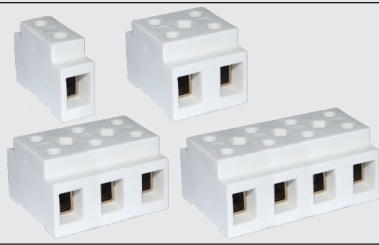
Protected against accidental electric contact, **stamped** brass terminals, nickel plated steel screws.



Without pressure plate



With pressure plate



Non-flammable



Protected



450V

BL

16mm²

16 mm² direct pressure screw

Mounting on 35mm Din rail or 16 x 3mm rail is possible

BL161	49 gr.	SOLID CONDUCTOR	BL162	108 gr.
		8-12.5 mm 16mm ² / 10mm ² / 6mm ² AWG6 / AWG8 / AWG10		STRANDED CONDUCTOR
	167 gr.	 1.2 N.m M4 450V 79A Permanent 230°C / 450°F Peak 450°C / 840°F		BL164
				226 gr.

16 mm² indirect clamping screw, with pressure plate

Mounting on 35mm Din rail or 16 x 3mm rail is possible

BL161P	100 gr.	SOLID CONDUCTOR	BL162P	225 gr.
		8-12.5 mm 16mm ² / 10mm ² / 6mm ² AWG6 / AWG8 / AWG10		STRANDED CONDUCTOR
	350 gr.	 1.2 N.m M4 450V 79A Permanent 230°C / 450°F Peak 450°C / 840°F		BL164P
				475 gr.

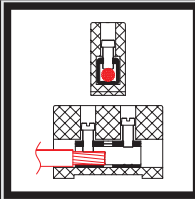
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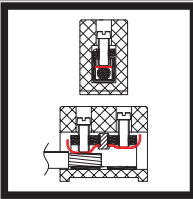
Steatite connection blocks 450V range



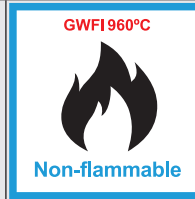
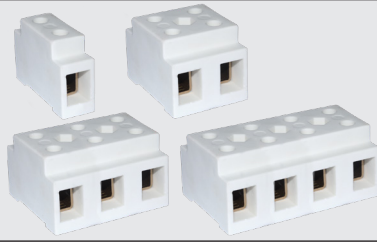
Protected against accidental electric contact, **stamped** brass terminals, nickel plated steel screws.



Without pressure plate



With pressure plate



Non-flammable



Protected



450V BL

25mm²

25 mm² direct pressure screw

Mounting on 35mm Din rail or 16 x 3mm rail is possible

BL251 	 59 gr.	SOLID CONDUCTOR 8.5-12.5 mm 25mm ² / 16mm ² / 10mm ² AWG4 / AWG6 / AWG8 STRANDED CONDUCTOR 8.5-12.5 mm 16mm ² / 10mm ² AWG6 / AWG8	BL252 	 133 gr.
BL253 	 2 N.m 450V Permanent 230°C / 450°F Peak 450°C / 840°F	BL254 	 280 gr.	

25 mm² indirect clamping screw, with pressure plate

Mounting on 35mm Din rail or 16 x 3mm rail is possible

BL251P 	 60 gr.	SOLID CONDUCTOR 8.5-12.5 mm 25mm ² / 16mm ² / 10mm ² AWG4 / AWG6 / AWG8 STRANDED CONDUCTOR 8.5-12.5 mm 16mm ² / 10mm ² AWG6 / AWG8	BL252P 	 135 gr.
BL253P 	 2 N.m 450V Permanent 230°C / 450°F Peak 450°C / 840°F	BL254P 	 285 gr.	

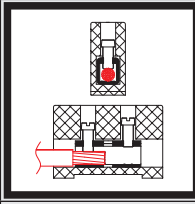
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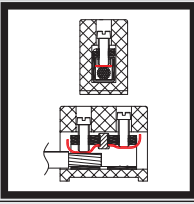
Steatite connection blocks 450V range



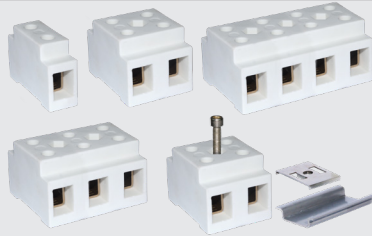
Protected against accidental electric contact, **stamped** brass terminals, nickel plated steel screws.



Without pressure plate



With pressure plate



35 mm² direct pressure screw Mounting on 35mm Din rail is possible

BL351 	97 gr.	SOLID CONDUCTOR 35mm ² / 25mm ² / 16mm ² / 10mm ² AWG2 / AWG4 / AWG6 / AWG8 STRANDED CONDUCTOR 25mm ² / 16mm ² / 10mm ² AWG4 / AWG6 / AWG8	BL352
BL353 	341 gr.	 2.5 N.m M6 450V 125A Permanent 230°C / 450°F Peak 450°C / 840°F	BL354

35 mm² indirect clamping screw, with pressure plate Mounting on 35mm Din rail is possible

BL351P 	100 gr.	SOLID CONDUCTOR 35mm ² / 25mm ² / 16mm ² / 10mm ² AWG2 / AWG4 / AWG6 / AWG8 STRANDED CONDUCTOR 25mm ² / 16mm ² / 10mm ² AWG4 / AWG6 / AWG8	BL352P
BL353P 	350 gr.	 2.5 N.m M6 450V 125A Permanent 230°C / 450°F Peak 450°C / 840°F	BL354P

		35mm Din rail mounting clip	Reference 66AT410650
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