

Glazed ceramic connection blocks. Nickel plated connectors

Main features

Ceramic: Ker 110 (feldspar ceramic SiO₂-Al₂O₃) glazed 5 sides.

- Bulk density : >2.3 g/cm³
- Water absorption : max 2% (on unglazed side)
- Flexural strength : 80 Mpa/cm²
- Coefficient of thermal expansion : <6 10⁻⁶ mm/°C (20-100°C)
- Volume resistivity : >10¹⁰ ohms.cm at 100°C
- Dielectric strength : 10 Kv/mm
- Terminal numbering: 1, 2, 3, 4

Screws: Nickel plated steel (Sae1045). Clamping with or without pressure plate upon types

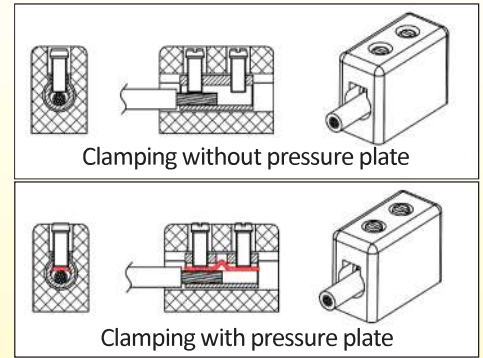
Terminals: Nickel plated brass (63.5~68% Cu)

Maximum ambient temperature, as per EN60730-1(§14-1) :

- on ceramic: 425°C (800°F)
- on nickel plated brass connectors: 230°C (445°F)

Voltage: 250V to 400V upon types and sizes

Applicable standards: (IEC)EN 60998-1 and (IEC) EN60998-2-1 (August 1993)



Main references

Picture	Drawing	Ways	Dimensions +/-1mm (mm)	Mounting hole (mm)	Clamping screw*	Connector hole dia. (mm)	Electrical Rating**	Nominal gauge (mm ²)	Wires gauge, rigid or flexible (mm ²)	Weight	References***
		1	11x19x15.5	0	M3	3	32	4	1.5; 2.5; 4	7	BV1V1
		2	22x19x15.5	1 x 4.1	M3	3	32	4	1.5; 2.5; 4	13	BV2V2
		3	35x19x15.5	2 x 4.1, distance 11mm	M3	3	32	4	1.5; 2.5; 4	20	BV3V3
		4	45x19x15.5	3 x 4.1, distance 11mm	M3	3	32	4	1.5; 2.5; 4	26	BV4V4
		1	12x20x17	0	M3	3.5	41	6	2.5; 4 (6mm ² rigid only)	9	BN1N1
		2	23x20x17	1 x 4.1	M3	3.5	41	6	2.5; 4 (6mm ² rigid only)	15	BN2N2
		3	35x20x17	2 x 4.1, distance 12mm	M3	3.5	41	6	2.5; 4 (6mm ² rigid only)	25	BN3N3

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		4	47x20x17	3 x 4.1, distance 12 mm	M3	3.5	41	6	2.5; 4 (6mm ² rigid only)	33	BN4N4
		1	12x23x20	0	M3.5	4.3	57	10	4; 6; (10 mm ² rigid only)	13	BP1P1
		2	25x23x20	1 x 4.5	M3.5	4.3	57	10	4; 6; (10 mm ² rigid only)	26	BP2P2
		3	39x23x20	2 x 4.5 distance 13 mm	M3.5	4.3	57	10	4; 6; (10 mm ² rigid only)	42	BP3P3
		4	52x23x20	3 x 4.5 distance 13 mm	M3.5	4.3	57	10	4; 6; (10 mm ² rigid only)	51	BP4P4
		1	16x31x23	0	M4	5.5	76	16	6; 10; (16 mm ² rigid only)	27	BQ1Q1
		2	35x31x23	1 x 5.5	M4	5.5	76	16	6; 10; 16	58	BQ2Q2
		3	51x31x23	2 x 5.5 distance 18 mm	M4	5.5	76	16	6; 10; 16	81	BQ3Q3
		4	69x31x23	3x5.5 distance 18 mm	M4	5.5	76	16	6; 10; 16	103	BQ4Q4

* Recommended clamping torque M3: 0.6 Nm, M3.5: 0.8Nm, M4 : 1.2Nm

** Test current upon IEC60998-1.

*** These ceramic blocs also exist with stainless steel pressure plate, Add « P » behind the reference