

Power Terminal Blocks

General Information:

Barrier Style Power Terminal Blocks are available in eight sizes. They are identified by the first three digits of the catalog number. The 140, 142, 143, 144 and 145 series are manufactured with general purpose phenolic rated at 150°C. The 141, 132 and 133 series are manufactured with high impact thermoplastic rated at 125°C.

Connector Wire Hole Size:

Conductor Opening		Diameter of Opening	
English	Metric	Inch	Metric
#10 AWG	6	.158"	4.0
#4 AWG	25	.250"	6.4
#2 AWG	35	.312"	7.9
1/0	50	.406"	10.3
2/0	70	.438"	11.1
3/0	95	.532"	13.5
250 kcmil	120	.630"	16.0
350 kcmil	185	.718"	18.2
400 kcmil	-	.769"	-
500 kcmil	240	.875"	22.2
600 kcmil	300	.938"	23.8
750 kcmil	-	1.125"	-
1000 kcmil	-	1.250"	-

* Enclosed blocks have larger openings (see page 42)

Ratings and Standards:

The voltage ratings of terminal blocks are based upon the minimum spacing between electrically conductive parts line to line through air and over surface and line to ground through air and over surface.

Class A

Service equipment including deadfront switchboards, panel boards, service entrance devices.

Class B

Commercial appliances including business equipment, electronic data processing equipment and the like.

Class C

General industrial and machine tool controls which can be further defined as equipment falling under UL 508. Ratings based on UL 1059 may be higher in some cases depending on application.

Spacing Requirements (in inches):

	Voltage	Thru Air	Over Surface
Class A	51-150	.500	.750
	151-300	.750	1.250
	301-600	1.000	2.000
Class B	51-150	.063	.063
	151-300	.094	.094
	301-600	.375	.500
Class C	51-150	.125	.250
	151-300	.250	.375
	301-600	.375	.500

Applications:

Designed for use with solar, wind, alternate energy, transportation, heating, air conditioning and refrigeration, elevator systems, material handling equipment, control panels, motor control, switchgear and any area where power needs to be distributed to more than one load.