

FEEDER & BRANCH CIRCUIT REQUIREMENTS - PER UL STANDARDS

SPACING REQUIREMENTS PER APPLICATION TYPE

UL STANDARD ⁽¹⁾ (UP TO 251-600V)	LINE TO LINE OR PARTS OF OPPOSITE		LIVE PART TO GROUND	PRODUCT TO SATISFY MINIMUM ⁽²⁾ REQUIREMENTS	COMPLIANT PRODUCT SERIES ⁽³⁾
	THRU AIR	OVER SURFACE			
508A Feeder Circuits	1"	2"	1"	Listed Power Distribution Blocks	EPB, 134, 135
508A Branch Circuits	3/8"	1/2"	1/2"	Class B or C <u>Recognized</u> Terminal Blocks	141, 132, 133, 145
1995 HVAC Circuits ⁽⁴⁾	3/8"	1/2"	1/2"	Class B or C <u>Recognized</u> Terminal Blocks	141, 132, 133, 145

⁽¹⁾ All cited standards and ratings should be verified to the current revision and full requirements.

⁽²⁾ Listed power distribution blocks can be used in all applications as they exceed spacing requirements.

- recognized power terminal blocks may be suitable in a feeder circuit, should they meet the spacing requirements at the application voltage level (see charts below).

⁽³⁾ Primary series promoted - 142, 143 & 144 are still available

⁽⁴⁾ UL 1995 control circuits used to start, stop, regulate or control the speed of a motor is to comply with the standard for industrial control equipment, UL 508 (per 3.10.3.1).

UL 1953 SPACING REQUIREMENTS (MAX, IN INCHES) - LISTED "POWER DISTRIBUTION BLOCKS"

VOLTAGE	THROUGH AIR	OVER SURFACE
0-125	0.500	0.750
126-250	0.750	1.250
251-1000	1.000	2.000

UL 1059 SPACING REQUIREMENTS (MAX, IN INCHES) - RECOGNIZED "TERMINAL BLOCKS"

CLASS*	VOLTAGE	THROUGH AIR	OVER SURFACE
A	51-150	0.500	0.750
	151-300	0.750	1.250
	301-600	1.000	2.000
B	51-150	0.063	0.063
	151-300	0.094	0.094
	301-600	0.375	0.500
C	51-150	0.125	0.250
	151-300	0.250	0.375
	301-600	0.375	0.500

Class A: Service, including deadfront switchboards, panel boards and service equipment

Class B: Commercial appliances including business equipment and electronic data processing equipment

Class C: Industrial, general