

Bulletin - use of rectifier fuses in Fuseblocks

Ferrule style (clip-in) rectifier fuses line up dimensionally with several different sizes of standard CSA/UL fuses/fuseholders. In some cases however, the rating of the fuse will exceed the rating of the fuseholder and modifications will need to be performed to allow use at the higher voltage levels.

Application notes:

For all applications

Never exceed the max amp rating of the fuseblocks.

Box lug connectors should be used to improved heat dissipation.

Modifications required for 500Vac or higher.

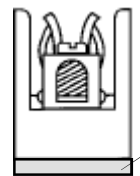
1. Only single pole fuseholders should be used. This is to maintain phase to phase clearances at higher voltages.

2. An insulating plate/spacer must be put under the fuseblock to increase clearances to ground. If spacer material is 1/8" thick or more, it may be same size as footprint of fuseblock. If it is less, then the spacer should extend 1/2" beyond top and bottom of fuseblock.

3. For multipole applications, a gap of 1/4" between fuseholders should be maintained for heat dissipation considerations.

4. Fuseblocks should be mounted with nylon fasteners, or if metal fasteners are used, the heads should be covered with RTV after installation.

Voltage	Fuse type	Amp range	dimensions - in. (mm) D X L	Recommended Fuse holder	Max fuseholder amp rating	comments
Fuse and holder combinations below may be used without modification. Box lug connectors are recommended for heat dissipation concerns.						
150Vac	L15S	1-30A	13/32 x 1.5" (10 x 38mm)	L60030M-1** or LPSM001	30A	-
150Vac	L15S	35-60A	13/16 x 2" (20.8 x 50.8mm)	M162 fuseclips only	30A	mount to appropriate support
250Vac	L25S	1-30A	9/16 X 2" (14.3 x 50.8mm)	LH25030-1** or 5105804	30A	-
600Vac	L60S	1-30A	13/16 x 5" (20.6 x 127mm)	LH60030-1**	30A	-
Fuse ratings below exceed voltage ratings of fuseholders. Insulating material must be added to the fuseholder to increase electrical clearances to ground. See application notes.						
500Vac	L50S	1-30A	9/16 X 2" (14.3 x 50.8mm)	LH25030-1** or 5105804	30A	spacer required for LH25030 holder. 5105804 is Underwriters Recognized only.
700Vac	L70S	10-30A	9/16 X 2" (14.3 x 50.8mm)	LH25030-1** or 5105804	30A	



Insulating spacer

Notes:

5105804 is a deadfront DIN rail mountable design.

Although the other fuseholders listed are CSA approved. They are not approved for the fuse/holder combinations listed.



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TYPE **Fuseblock guidelines for 1-30A ferrule style rectifier fuses**

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rect06

DRAWN BY:
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