

Power Entry Module with Enhanced EMI Filtering

LA Series



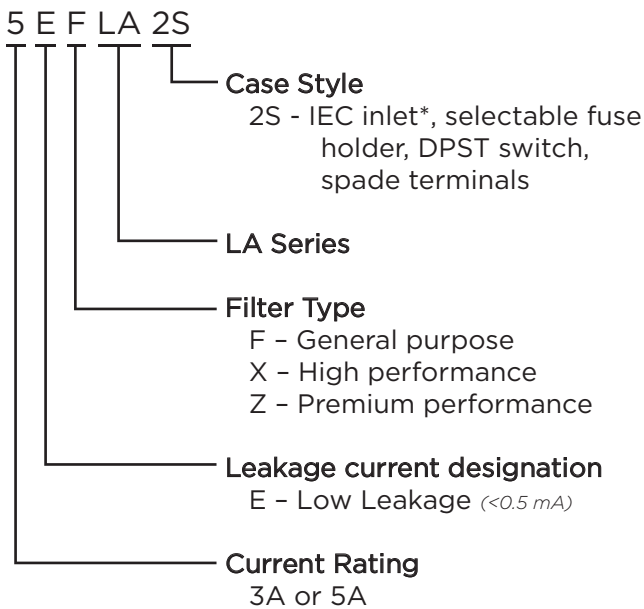
UL Recognized
CSA Certified



LA Series

- Power entry module with extended and enhanced low frequency filters
- North American or dual metric fuse holder options
- DPST on/off switch
- 120/240V voltage selection
- The F version provides basic performance two element circuit filter
- The X version provides a three element differential mode circuit with extended EMI attenuation, suitable for meeting FCC Part 15J, Class B conducted emissions limits
- The Z version provides a three element differential mode circuit with enhanced EMI low frequency attenuation, suitable for meeting EN55022 Level B as well as FCC Part 15J limits

Ordering Information



*IEC 60320-1 C14 inlet mates with C13 connector

Specifications

Maximum leakage current each Line to Ground:

	FLA Model	XLA or ZLA Model
@120 VAC 60 Hz:	.25 mA	.30 mA
@250 VAC 50 Hz:	.50 mA	.50 mA

Hipot rating (one minute):

Line to Ground:	2250 VDC
Line to Line:	1450 VDC

Rated Voltage (max.):

250 VAC

Operating Frequency:

50/60 Hz

Rated Current:

3 to 5A

Required Fuse(s):

one .25 x 1.25" (not included)
or two 5 x 20mm (not included)

Switch:

DPST
10,000 operations at 51A max. inrush

Available Part Numbers

5EFLA2S
3EXLA2S
3EZLA2S

Power Entry Module with Enhanced EMI Filtering *(continued)*

LA Series

Voltage Selection

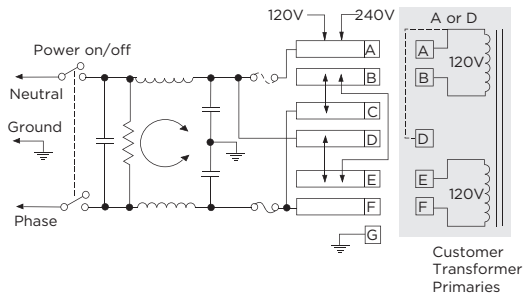
To change selected voltage: remove the fuse cartridge using a small blade screwdriver or similar tool; select the desired voltage by matching the arrow on the fuse cartridge to the arrow located on the front of the unit (lower right corner); replace the fuse cartridge making sure the voltage selection arrow aligns with the arrow located on the front of the unit.

Changing Fuses

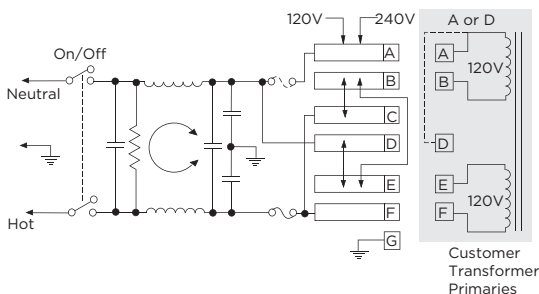
Remove the fuse cartridge using a small blade screwdriver or similar tool; for Metric fusing pull out the sliding fuse covers located at the top of each fuse compartment; insert desired fuses; push the sliding fuse covers back in place and insert the fuse cartridge back into the unit making sure the voltage selection arrow aligns with the arrow located on the front of the unit. (Note: Single North American or Metric fuse placement is always on the side of the desired voltage selection arrow behind the fuse symbol; the other compartment may be used as a spare or be left blank. Dual Metric fusing capability is available for 220/240 volts only.)

Electrical Schematics

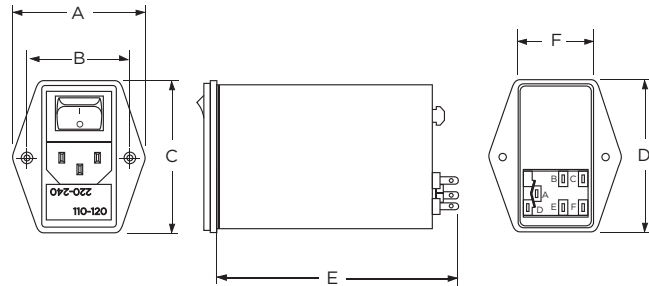
FLA Model



XLA & ZLA Model



Case Styles



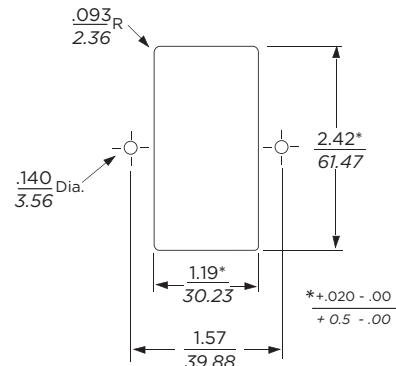
Typical Dimensions:

- Line Inlet (1): IEC 60320-1 C14
- Mounting Holes (2): .142 [3.6] Dia.
- Backplate Terminals(5): .110 [2.79] with .059 [1.5] holes
- Ground: solder lug tab with wire wrap

Case Dimensions

Part No.	A (max.)	B $\pm .015$ $\pm .38$	C (max.)	D (max.)	E (max.)	F (ref.)
5EFLA2S	1.99 <i>50.5</i>	1.57 <i>39.9</i>	2.59 <i>65.79</i>	2.41 <i>61.21</i>	3.16 <i>68.07</i>	1.18 <i>29.97</i>
3EXLA2S	1.99 <i>50.5</i>	1.57 <i>39.9</i>	2.59 <i>65.79</i>	2.41 <i>61.21</i>	4.16 <i>105.7</i>	1.18 <i>29.97</i>
3EZLA2S	1.99 <i>50.5</i>	1.57 <i>39.9</i>	2.59 <i>65.79</i>	2.41 <i>61.21</i>	4.16 <i>105.7</i>	1.18 <i>29.97</i>

Recommended Panel Cutout



Power Entry Module with Enhanced EMI Filtering *(continued)*

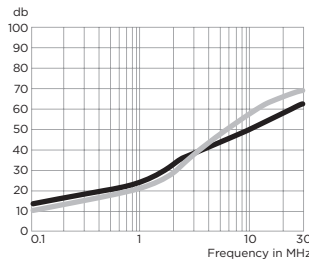
LA Series

Performance Data

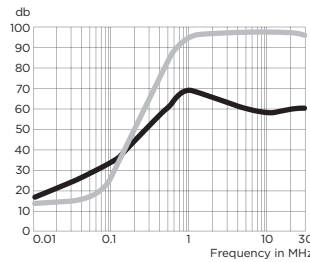
Typical Insertion Loss

Measured in closed 50 Ohm system

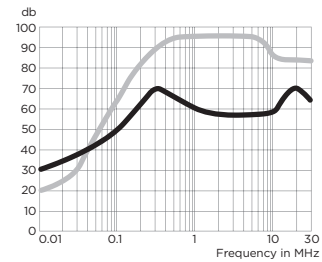
5EFLA2S



3EXLA2S



3EZLA2S



— Common Mode / Asymmetrical (L-G)
— Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Part No.	Frequency – MHz							
	.01	.05	.15	.5	1	5	10	30
5EFLA2S	-	-	14	21	26	40	46	50
3EXLA2S	2	12	21	35	46	44	44	40
3EZLA2S	14	28	38	42	40	40	40	40

Differential Mode / Symmetrical (Line to Line)

Part No.	Frequency – MHz									
	.02	.03	.05	.07	.15	.5	1	5	10	30
5EFLA2S	-	-	-	-	-	-	-	-	-	-
3EXLA2S	-	-	-	5	33	60	65	60	50	50
3EZLA2S	3	14	29	38	57	72	72	65	55	50