Dual Configuration Power Entry Module

L Series

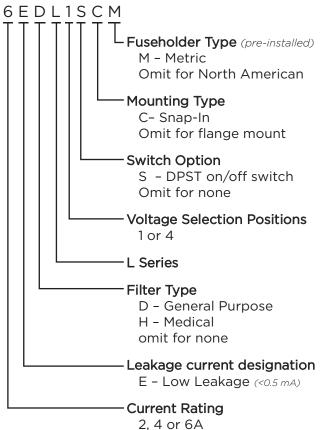


UL Recognized CSA Certified VDE Approved



- Power entry module with switch or fuse
- For 10A capability and high performance filtering see the P Series on page 192
- Two element circuit provides extended EMI attenuation similar to EAB inlet filter
- North American or metric fuse holders
- Available with minimal leakage current for medical applications (HL models)

Ordering Information







EDL4C / EHL4C

EDL1S / EHL1S

Specifications

Maximum leakage current @ 120 VAC 60 Hz: @ 250 VAC 50 Hz:		l: <u>Models</u> 2 µA 5 µA
Hipot rating (one minute): Line to Ground: Line to Line:	225	0 VDC 0 VDC
Operating Voltage: 1S & 1SC models (fixed): 4 & 4C Suffix:	250 VA 100, 120, 220 or 24	
Operating Frequency:	50,	/60 Hz
Rated Current:		2 to 6A
Required Fuse(s): North American: Metric:	one .25 x 1.25"(not i two 5 x 20mm (not i	
Switch: 10,000 op	perations at 51A max.	DPST inrush

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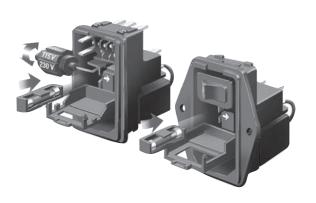
Dual Configuration Power Entry Module (continued)

L Series

Available Part Numbers		North Ame	erican Fusing	Metric Fusing			
	t Numbers	Flange Mount	Snap-In	Flange Mount	Snap-In		
Non-Filtered	Single Voltage, Switched	6EL1S	6EL1SC	6EL1SM	6EL1SCM		
Non-Fillerea	4 Voltage Select, No Switch	6EL4	6EL4C	6EL4M	6EL4CM		
		2EDL1S		2EDL1SM	2EDL1SCM		
	Single Voltage, Switched	4EDL1S	4EDL1SC	4EDL1SM	4EDL1SCM		
General		6EDL1S	6EDL1SC	6EDL1SM	6EDL1SCM		
Purpose Filter		2EDL4	2EDL4C	2EDL4M	2EDL4CM		
	4 Voltage Select, No Switch		4EDL4C 4EDL4M		4EDL4CM		
		6EDL4	6EDL4C	6EDL4M	6EDL4CM		
Medical Filter	Single Voltage, Switched	6EHL1S	6EHL1SC	6EHL1SM	6EHL1SCM		
	4 Voltage Select, No Switch	6EHL4	6EHL4C	6EHL4M	6EHL4CM		

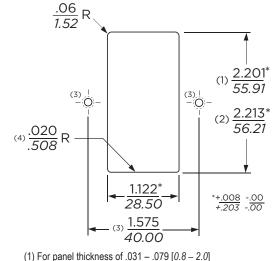
Notes:

Voltage Selection



To change selected voltage: disconnect the power cord; open cover using a small blade screwdriver or similar tool; insert the tool into the voltage selection slot and remove wheel from unit: select desired voltage; replace wheel into unit and close cover, making sure the selected voltage appears in connector window.

Recommended Panel Cutouts



- (2) For panel thickness of .083 .126 [2.1 3.2]
- - (3) Mounting Holes .126 [3.20] Dia. for flange mounted versions only (4) For Snap-In applications, the 1.12 [28.5] sides of the cutout must have a .02 [.508] radius on the installation side. Not required for

flange mount versions.



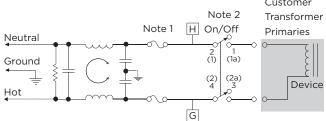
Dual Configuration Power Entry Module (continued)

L Series

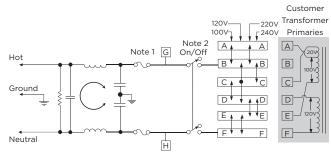
Electrical Schematics

DL Models

Single Voltage, Switched (DL1S)



4 Voltage Select, No-Switch (DL4)

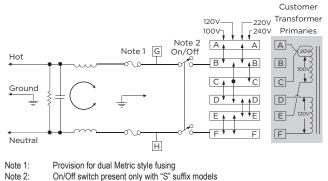


HL Models

Single Voltage, Switched (HL1S)

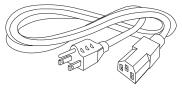
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4 Voltage Select, No-Switch (HL4)



Customer

Accessories



GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord

LA303: Voltage Select Wheel, 3 position

Selection drum for use with L4 models. Marked with 110V, 220V and 240V

LA304: Voltage Select Wheel, 4 position

Selection drum for use with L4 models. Marked with 100V, 110V, 220V and 240V. One LA304 comes standard with each L4 model.



LA400: Blank insert

Blank to replace switch in single voltage models

LA601: Insulating Boot

Plastic shroud to cover back of module to prevent inadvertent access

Replacement Fuse Holders

LA200: North American Fuseholder Accommodates one .25 x 1.25" fuse

LA201: Metric Fuseholder

Accommodates one 5 x 20mm metric fuse



Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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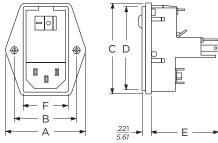


Dual Configuration Power Entry Module (continued)

L Series

Case Styles

Flange Models, Non-filtered



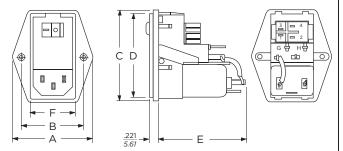
Switched model shown, for non-switched detail refer to snap-in models

Typical Dimensions:

Line Inlet (1): Backplate Terminals: Switch Terminals:

IEC 60320-1 C14 .110 [2.79] .187 [4.765] with .07 x .16 [1.8 x 3.8] slot

Flange Models, Filtered



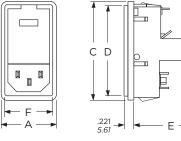
Switched model shown, for non-switched detail refer to snap-in models Metric fuse models have an additional jumper from filter to module

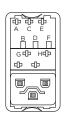
Typical Dimensions:

Line Inlet (1):	
Backplate Terminals:	
Switch Terminals:	

IEC 60320-1 C14 .110 [2.79] .187 [4.765] with .07 x .16 [1.8 x 3.8] slot

Snap-in Models, Non-filtered





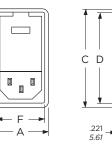
Non-switched model shown, for switched detail refer to flange models

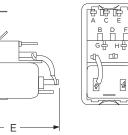
Typical Dimensions:

Line Inlet (1): Backplate Terminals: Switch Terminals: IEC 60320-1 C14 .110 [2.79] .187 [4.765] with .07 x .16 [1.8 x 3.8] slot

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Snap-in Models, Filtered





Non-switched model shown, for switched detail refer to flange models Metric fuse models have an additional jumper from filter to module

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Typical Dimensions:

Line Inlet (1): Backplate Terminals: Switch Terminals: IEC 60320-1 C14 .110 [2.79] .187 [4.765] with .07 x .16 [1.8 x 3.8] slot

Case Dimensions

A (max.)	B <u>+ .015</u> ± .38	C (max.)	D (max.)	E (max.)	F (ref.)
1.98	1.575	2.3	2.14	1.66	1.11
50.29	40.0	58.42	54.36	42.16	28.19
1.28		2.3	2.14	1.66	1.11
32.51	-	58.42	54.36	42.16	28.19
1.98	1.575	2.3	2.14	2.01	1.11
50.29	40.0	58.42	54.36	51.05	28.19
1.28	_	2.3	2.14	2.01	1.11
32.51	-	58.42	54.36	51.05	28.19
	(max.) 1.98 50.29 1.28 32.51 1.98 50.29 1.28	(max.) ± .015 ± .38 1.98 1.575 50.29 40.0 1.28	#.015 ±.38 (max.) 1.98 1.575 2.3 50.29 40.0 58.42 1.28 2.3 32.51 58.42 1.98 1.575 2.3 50.29 40.0 58.42 1.28 2.3 58.42 1.99 1.575 2.3 50.29 40.0 58.42 1.98 2.3 58.42	(max.) $\pm .015$ (max.) (max.) 1.98 1.575 2.3 2.14 50.29 40.0 58.42 54.36 1.28 2.3 2.14 32.51 58.42 54.36 1.98 1.575 2.3 2.14 50.29 40.0 58.42 54.36 1.98 1.575 2.3 2.14 50.29 40.0 58.42 54.36 1.98 1.575 2.3 2.14 50.29 40.0 58.42 54.36 1.28 2.0 58.42 54.36	#.015 ±.38 (max.) (max.) (max.) 1.98 1.575 2.3 2.14 1.66 50.29 40.0 58.42 54.36 42.16 1.28 2.3 2.14 1.66 32.51 58.42 54.36 42.16 1.98 1.575 2.3 2.14 1.66 32.51 58.42 54.36 42.16 50.29 40.0 58.42 54.36 42.16 1.98 1.575 2.3 2.14 2.01 50.29 40.0 58.42 54.36 51.05 1.28 2.0 2.3 2.14 2.01



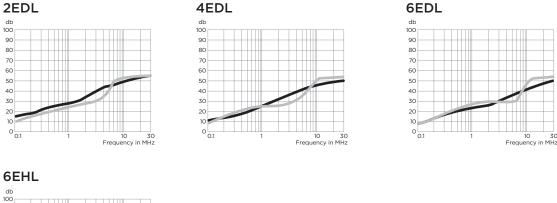
Dual Configuration Power Entry Module (continued)

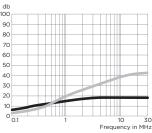
L Series

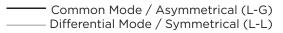
Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system







Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)									
Current	Frequency – MHz								
Rating	.05 .15 1 5 10 30								
EDL Models									
1A	6	14	24	40	45	50			
3A	2	8	18	32	38	45			
6A	1	6	17	31	37	45			
EHL Models									
6A	3	8	15	18	18	18			

Differential Mode / Symmetrical (Line to Line)

Current	Frequency – MHz							
Rating	.05	.15.5	1	3	5	10	30	
EDL Models								
1A	7	16	21	23	37	47	50	
3A	6	14	18	23	26	45	47	
6A	6	15	20	25	24	45	50	
EHL Models								
6A	4	14	20	28	32			

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Mouser Electronics

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