## Dual Configuration Power Entry Module

### L Series

- 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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 EDL1SCM</td>
<td>Double element power entry module with switch or fuse.</td>
</tr>
</tbody>
</table>

#### Fuseholder Type
- M - Metric
- Omit for North American

#### Mounting Type
- C - Snap-In
- Omit for flange mount

#### Switch Option
- S - DPST on/off switch
- Omit for none

#### Voltage Selection Positions
- 1 or 4

#### L Series

- Filter Type
  - D - General Purpose
  - H - Medical
  - Omit for none

- Leakage current designation
  - E - Low Leakage (<0.5 mA)

- Current Rating
  - 2, 4 or 6A

### Specifications

- **Maximum leakage current each Line to Ground:**
  - @ 120 VAC 60 Hz: DL Models .25 mA, HL Models 2 µA
  - @ 250 VAC 50 Hz: DL Models .50 mA, HL Models 5 µA

- **Hipot rating (one minute):**
  - Line to Ground: 2250 VDC
  - Line to Line: 1450 VDC

- **Operating Voltage:**
  - 1S & 1SC models (fixed): 250 VAC max.
  - 4 & 4C Suffix: 100, 120, 220 or 240 VAC.

- **Operating Frequency:** 50/60 Hz

- **Rated Current:** 2 to 6A

- **Required Fuse(s):**
  - North American: one .25 x 1.25" (not included)
  - Metric: two 5 x 20mm (not included)

- **Switch:**
  - DPST
  - 10,000 operations at 51A max. inrush

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L Series

Available Part Numbers

<table>
<thead>
<tr>
<th>Non-Filtered</th>
<th>North American Fusing</th>
<th>Metric Fusing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Voltage, Switched</td>
<td>6EL1S 6EL1SC</td>
<td>6EL1SM 6EL1SCM</td>
</tr>
<tr>
<td>4 Voltage Select, No Switch</td>
<td>6EL4 6EL4C</td>
<td>6EL4M 6EL4CM</td>
</tr>
<tr>
<td>General Purpose Filter</td>
<td>2EDL1S 2EDL1SC</td>
<td>2EDL1SM 2EDL1SCM</td>
</tr>
<tr>
<td>Single Voltage, Switched</td>
<td>4EDL1S 4EDL1SC</td>
<td>4EDL1SM 4EDL1SCM</td>
</tr>
<tr>
<td></td>
<td>6EDL1S 6EDL1SC</td>
<td>6EDL1SM 6EDL1SCM</td>
</tr>
<tr>
<td>4 Voltage Select, No Switch</td>
<td>2EDL4 2EDL4C</td>
<td>2EDL4M 2EDL4CM</td>
</tr>
<tr>
<td></td>
<td>4EDL4 4EDL4C</td>
<td>4EDL4M 4EDL4CM</td>
</tr>
<tr>
<td></td>
<td>6EDL4 6EDL4C</td>
<td>6EDL4M 6EDL4CM</td>
</tr>
<tr>
<td>Medical Filter</td>
<td>6EHL1S 6EHL1SC</td>
<td>6EHL1SM 6EHL1SCM</td>
</tr>
<tr>
<td>Single Voltage, Switched</td>
<td>6EHL4 6EHL4C</td>
<td>6EHL4M 6EHL4CM</td>
</tr>
<tr>
<td>4 Voltage Select, No Switch</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Notes:
(1) For panel thickness of .031 – .079 [0.8 – 2.0]
(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.
L Series

**Electrical Schematics**

**DL Models**

Single Voltage, Switched (DL1S)

4 Voltage Select, No-Switch (DL4)

**HL Models**

Single Voltage, Switched (HL1S)

4 Voltage Select, No-Switch (HL4)

**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

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Case Styles

Flange Models, Non-filtered

- Typical Dimensions:
  - Line Inlet (1):
  - Backplane Terminals: 0.110 (2.79 mm)
  - Switch Terminals: 0.187 (4.765 mm) with .07 x .16 (1.8 x 3.8) slot

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

Snap-in Models, Non-filtered

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Metric fuse models have an additional jumper from filter to module

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Case Dimensions

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A (max.)</th>
<th>B (max.)</th>
<th>C (max.)</th>
<th>D (max.)</th>
<th>E (max.)</th>
<th>F (ref.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flange Unfiltered</td>
<td>1.98</td>
<td>1.575</td>
<td>2.3</td>
<td>2.14</td>
<td>1.66</td>
<td>1.11</td>
</tr>
<tr>
<td></td>
<td>50.29</td>
<td>40.0</td>
<td>58.42</td>
<td>54.36</td>
<td>42.16</td>
<td>28.19</td>
</tr>
<tr>
<td>Snap-in Unfiltered</td>
<td>1.28</td>
<td>-</td>
<td>2.3</td>
<td>2.14</td>
<td>1.66</td>
<td>1.11</td>
</tr>
<tr>
<td></td>
<td>32.51</td>
<td>-</td>
<td>58.42</td>
<td>54.36</td>
<td>42.16</td>
<td>28.19</td>
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<td>Flange Filtered</td>
<td>1.98</td>
<td>1.575</td>
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<td></td>
<td>50.29</td>
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**L Series**

**Performance Data**

**Typical Insertion Loss**

Measured in closed 50 Ohm system

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency in MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>2EDL</td>
<td>0.1 10 30</td>
</tr>
<tr>
<td>4EDL</td>
<td>0.1 10 30</td>
</tr>
<tr>
<td>6EDL</td>
<td>0.1 10 30</td>
</tr>
</tbody>
</table>

**Minimum Insertion Loss**

Measured in closed 50 Ohm system

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency – MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>EDL Models</td>
</tr>
<tr>
<td>Rating</td>
<td>.05 .15 1 5 10 30</td>
</tr>
<tr>
<td>1A</td>
<td>6 14 24 40 45 50</td>
</tr>
<tr>
<td>3A</td>
<td>2 8 18 32 38 45</td>
</tr>
<tr>
<td>6A</td>
<td>1 6 17 31 37 45</td>
</tr>
<tr>
<td>EHL Models</td>
<td>6A</td>
</tr>
<tr>
<td>Current Rating</td>
<td>.05 15.5 1 3 5 10 30</td>
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- Common Mode / Asymmetrical (L-G)
- Differential Mode / Symmetrical (L-L)

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