XLPB Industrial Panelboards

Applications:
XLPB Industrial Panelboards are used / installed:
- In areas made corrosive due to the presence of chemicals, salt water, and/or moisture
- In locations where rough usage, moisture, dust, dirt, and corrosion are a problem
- In areas subject to weather, dampness, or wash down requirements
- To provide, in one compact unit, a centrally controlled switching system for a large number of feeder or branch circuits
- For branch power distribution and circuit protection of motors, valves, pumps, lighting, heat tracing, receptacles, etc.
- In indoor and outdoor installations
- To house thermal-magnetic circuit breakers that provide disconnect means, short circuit protection, and thermal time delay overload protection

Features and Benefits:
- Heavy-duty welded mounting feet provide ease of installation (customer can easily support the panel with bottom mounting feet, while fastening the top feet)
- High quality foam-in-place gasket prevents ingress of water and corrosive agents, reducing panel failure due to moisture/corrosion
- An integral drainage channel allows for opening the panel door without moisture or dust seeping into panel from the top side of the enclosure
- An internal/external ground stud assembly enables rapid and reliable protective ground connection
- Industrial grade NEMA 4X panel designed for harsh environments provides long product life

Certifications and Compliances:
- NEMA 1, 3, 3R, 4, 4X, 12
- NEMA PB1
- UL/cUL Listed
- UL508A Listed / cUL Certified (CAN/CSA C22.2, No. 14) (UL File E246968)
- UL67 components
- UL489/CAN/CSA C22.2, No. 5 circuit breakers

Standard Materials & Finishes:
- 316L stainless steel or painted sheet steel
- Eaton Pow-R-Line™ chassis
- Eaton Cutler-Hammer® circuit breakers
- Stainless steel hardware
- High integrity foam-in-place gasket
- Industrial laminate insulate dead-front cover
- SS316 quarter-turn screw driver entry standard

Electrical Ratings:
- 120/208V (3P 4W)
- 120/240V (1P 3W)
- 277/480V (3P 4W)*
- 347/600V (3P 4W)
- 480V (3P 3W)
- 100 and 225 amp rated chassis
- Isolated neutral and ground bars
- Main breakers up to 225 amps
- 12, 18, 24, and 42 circuit panels
- 10kAIC

Panel Capacity:

<table>
<thead>
<tr>
<th>Panel Size</th>
<th>Main Size</th>
<th>With Main Lug</th>
<th>2-Pole</th>
<th>3-Pole</th>
<th>Main Capacity</th>
<th>Available w/GFI/EPD Branch Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>12</td>
<td>10</td>
<td>9</td>
<td></td>
<td>Up to 100 Amp</td>
<td>100 Amp</td>
</tr>
<tr>
<td>B</td>
<td>18</td>
<td>16</td>
<td>15</td>
<td></td>
<td>Up to 100 Amp</td>
<td>225 Amp</td>
</tr>
<tr>
<td>C</td>
<td>24</td>
<td>22</td>
<td>21</td>
<td></td>
<td>Up to 100 Amp</td>
<td>225 Amp</td>
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<tr>
<td>D</td>
<td>42</td>
<td>40</td>
<td>39</td>
<td></td>
<td>Up to 100 Amp</td>
<td>225 Amp</td>
</tr>
</tbody>
</table>

*277V EPD Branch Protection potentially available - single phase only (requires 2 breaker spaces)
**Ordering Information:**

*Example:*
- NEMA 4X stainless steel
- 120/208 VAC 3-phase
- (8) 1-pole, 20 amp circuit breakers
- 3-pole, 100 amp main
- Bottom entry (inverted)

<table>
<thead>
<tr>
<th>Example would be ordered as:</th>
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</thead>
<tbody>
<tr>
<td>XLPB A S 2 3 08 *08120 -3M100 I</td>
</tr>
</tbody>
</table>

1. **Panel Type**
   - XLPB

2. **Size Enclosure**
   - A = 12 circuit panelboard
   - B = 18 circuit panelboard
   - C = 24 circuit panelboard
   - D = 42 circuit panelboard

3. **Enclosure Material Type**
   - S = stainless steel
   - P = painted steel

4. **Voltage**
   - 2 = 120/208, 240
   - 4 = 480/277, 480
   - 6 = 347/600

5. **Phase**
   - 1 = single phase
   - 3 = 3 phase

6. **Total Number of Branch Circuits**
   - Refer to step 2 for maximum number of branch circuits per enclosure size.
   - Number of branch circuits equals combined number of branch circuit breaker poles - i.e. qty. (8) 1-pole, 20 amp breakers = 08 poles
   - Option: Ambient compensated breakers for 50ºC, add suffix V after total number of branch circuits

7. **Branch Breaker Series**
   - *Quantity, Pole, Amp
   - 08120 = qty. (08), 1-pole, 20 amp circuit breakers
   - Option: For GFI circuit breakers, add suffix G after Total Number of Branch Circuits and Branch Breaker Series (ex. XLPBAS2308G-04120-04115G-3M100
   - Option: For EPD circuit breakers, add suffix E after Total Number of Branch Circuits and Branch Breaker Series (ex. XLPBAS2308E-04120-04115E-3M100

8. **Main Breaker**
   - 2 or 3 pole, 15 to 225A
   - Example: 3M100 = 3-pole main breaker, 100 amp

9. **Options** (see Options Section for more information)
   - Breathers and drains
   - Gland plates
   - Bottom feed inverted panelboard
   - Enclosure access handles
   - Key entry door access
   - External operators
   - Lighting contactor
**1A XLPB Industrial Panelboards**

**NEMA 1, 3, 3R, 4, 4X, 12**

**NEMA PB1**

UL/cUL Listed

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### Options:

<table>
<thead>
<tr>
<th>Description</th>
<th>Suffix</th>
<th>Where Added</th>
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<tbody>
<tr>
<td>Ambient compensated breakers for 50°C</td>
<td>V</td>
<td>After Total Number of Branch Circuits</td>
</tr>
<tr>
<td>GFI - 5mA ground fault protection</td>
<td>G</td>
<td>After Total Number of Branch Circuits and after specific Branch Breaker Series</td>
</tr>
<tr>
<td>EPD - 30mA equipment protection</td>
<td>E</td>
<td>After Total Number of Branch Circuits and after specific Branch Breaker Series</td>
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<tr>
<td>Breathers and drains to reduce moisture and corrosion</td>
<td>S756V</td>
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<td>Gland plates for ease of installation</td>
<td>GP</td>
<td>End of Catalog Number</td>
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<tr>
<td>Bottom feed inverted panelboard</td>
<td>I</td>
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<td>Enclosure access handles</td>
<td>HLD</td>
<td>End of Catalog Number</td>
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<td>Key entry door access</td>
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<td>External operators</td>
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<td>Contact Factory</td>
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<td>Lighting contactor</td>
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### Dimensions:

#### MOUNTING PLATE

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<thead>
<tr>
<th>MOUNTING PLATE</th>
<th>DIMENSIONS (IN INCHES)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</table>

#### ENCLOSURE SIZE

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<th>DIMENSIONS (IN INCHES)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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(Additional dimensions and specifications may be found in the full document.)