### 1000Vdc XL Style Photovoltaic Fuses

63 to 630 Amps, 01XL, 1XL, 2XL and 3L Body Sizes

**Catalogue Symbols:**

- 1000Vdc Bladed: PV-(amp rating)A(size)XL
- 1000Vdc Bolted: PV-(amp rating)A(size)XL-B

**Description:**

A range of XL package fuse links specifically designed for protecting and isolating photo voltaic array combiners and disconnects. These fuse links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault).

**Class of Operation:**

- gPV and UL PV fuse links

**Fuse Sizes:**

- 01XL, 1XL, 2XL and 3L

**Ratings:**

- **Volts:** 1000Vdc
- **Amps:** 63 to 630A
  - IR: 50kA @ 63 to 160A
  - IR: 33kA @ 200 to 315A
  - 50kA @ 350 to 630A

**Time Constant:**

1 - 3ms

**Agency Information:**

- IEC 60269-6
- RoHS compliant
- UL 2579
- CCC (pending)

**Microswitches:**

For Bladed fuse links - Size 01XL use 170H0235 or 170H0237

- Sizes 1XL, 2XL and 3L use 170H0236 or 170H0238

For Bolted fuse links - For all sizes use 170H0069

**Recommended Fuse Holders**

- SD1XL-S (suitable for 01XL and 1XL)
- SD2XL-S (suitable for 2XL)
- SD3L-S (suitable for 3L)

### Part Number/Style

<table>
<thead>
<tr>
<th>Bladed</th>
<th>Bolted</th>
<th>Body Size</th>
<th>Current Rating (Amps)</th>
<th>Volts</th>
<th>Energy Integrals</th>
<th>Watts Loss</th>
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<tbody>
<tr>
<td>PV-63A-01XL</td>
<td>PV-63A-01XL-B</td>
<td>01</td>
<td>63</td>
<td>1000Vdc</td>
<td>Pre-Arcing</td>
<td>Total @ 1000V</td>
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<td>PV-80A-01XL</td>
<td>PV-80A-01XL-B</td>
<td>01</td>
<td>80</td>
<td>1000Vdc</td>
<td>260</td>
<td>1900</td>
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<td>PV-100A-01XL-B</td>
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<td>100</td>
<td>1000Vdc</td>
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<td>125</td>
<td>1000Vdc</td>
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* UL Pending, ** 630A Thermally rated to UL only.
Dimensions - mm (not to scale)

01XL Blade Size

01XL Bolt Size

1XL Blade Size

1XL Bolt Size

2XL Blade Size

2XL Bolt Size

3L Blade Size

3L Bolt Size
Time Current Curves for 01XL and 1XL

Available Current, DC-Time Constant 1-3ms (Amps)

* Size 1XL only.
Time Current Curves for 2XL

Available Current, DC-Time Constant 1-3ms (Amps)
Time Current Curves for 3L

* 630A Thermally rated to UL only.