The ED1800 range of switches have been designed to provide a rapid means of disconnecting batteries or other power supplies in the event of serious electrical faults. Designed for use with uninterrupted high current battery powered systems such as those found in Telecommunication Power Distribution Units, all types are capable of safely rupturing full load battery currents in the event of an emergency.

- **Uninterrupted** current - no or infrequent load switching requirements (maintains a lower contact resistance).

The ED1800 is a manually operated device with a snap action for both opening and closing of the main contacts. They have paralleled double breaking contacts with silver alloy tips which are weld resistant, hard wearing and have excellent conductivity. The ED1800 is easy to install (see drilling details) and can be mounted using the main terminal busbars or secured with supplied M5 posidrive mounting screws on the frame of the device.

**Precautions:**

The switch is to be used to rupture current in an emergency or as a no-load isolator. **Do not use as a regular On-Load Switching Device.**

**Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application**

**Thermal current ratings stated are dependant upon the size of conductor being used**

**For further technical advice email: technical@albrightinternational.com**

**Albright reserve the right to change data without prior notice**

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### ED1800 Single Pole Single Throw On/Off

**(Part of the Emergency/Combined Disconnect Series)**

**Application**

<table>
<thead>
<tr>
<th>Uninterrupted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Current Rating (Iₚ)</td>
</tr>
<tr>
<td>Intermittent Current Rating:</td>
</tr>
<tr>
<td>30% Duty</td>
</tr>
<tr>
<td>40% Duty</td>
</tr>
<tr>
<td>50% Duty</td>
</tr>
<tr>
<td>60% Duty</td>
</tr>
<tr>
<td>70% Duty</td>
</tr>
</tbody>
</table>

**Rated Fault Current Breaking Capacity (Iₜ) Resistive Load:**

| ED1800 | 2700A at 60v D.C. |

**Maximum Recommended Contact Voltages (Uₑ):**

| ED1800 | 60V D.C. |

**Mechanical Durability:**

| >10,000 Cycles |

**Operating Ambient Temperature:**

| -40°C to + 60°C |

**Guideline Contactor Weight:**

| ED1800 | 2750 gms |

**Advised Connection Sizes for Maximum Continuous Current**

| Copper busbar | 965mm² [1.49inch²] |

**Key:**

- ○ Uninterrupted

**Note:** Where applicable values shown are at 20°C

* Please check our website for product UL status

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**Contact Performance Key:**

- **Uninterrupted Current**

**Contact Performance Figures for guideline purposes only**

**ED1800 Available Options**

**General**

- Auxiliary Contacts ○ A
- Magnetic Blowouts† X
- Magnetic Blowouts - High Powered† X
- Mounting Brackets X
- Environmentally Protected IP55 X
- EE Type (Steel Shroud) X
- Lockable X

**Suffix**

- ○ Optional
- ● Standard
- X Not Available

† Connections become polarity sensitive