500 Amp magnetic latching switch provides high amperage switching under load from a convenient location

- Silver alloy contacts provide high reliability for switching live loads
- LED output to remotely indicate switch state - requires optional LED
- 3/8"-16 tin-plated copper studs for maximum conductivity and corrosion resistance
- One-piece stainless flange nuts ensure safe and secure connections
- Label recesses for circuit identification
- Retail package includes a Remote Control Contura Switch

9160
Paralleling Link Bus
For paralleling ML-Remote Battery Switches and Automatic Charging Relays
- Tin-plated copper for maximum conductivity and corrosion resistance
- Sold individually

Related Products

<table>
<thead>
<tr>
<th>Wire Color</th>
<th>7700, 7700100B</th>
<th>7702, 7702100B</th>
<th>7713, 7713100B</th>
<th>7717, 7717100B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>+V DC, 24 Hour</td>
<td>Control +V DC, To Close</td>
<td>Ground</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>Ground</td>
<td>Ground</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>-V DC LED Output</td>
<td>-V DC LED Output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brown</td>
<td>+V DC, To Close</td>
<td>Ground</td>
<td>Ground</td>
<td></td>
</tr>
<tr>
<td>Orange</td>
<td>+V DC, To Open</td>
<td>Ground</td>
<td>Ground</td>
<td></td>
</tr>
</tbody>
</table>

Deutsch DTM Cable End provided on bulk units. Other connector plugs are available for high volume OEM applications
ML Series
REMOTE BATTERY SWITCH

Selection Chart
Choose the right Remote Battery Switch for your application

<table>
<thead>
<tr>
<th>PN</th>
<th>Cable End</th>
<th>Packaged</th>
</tr>
</thead>
<tbody>
<tr>
<td>7700</td>
<td>Stripped Wire</td>
<td>Retail</td>
</tr>
<tr>
<td>7700100B</td>
<td>Deutsch DTM</td>
<td>Bulk</td>
</tr>
<tr>
<td>7702</td>
<td>Stripped Wire</td>
<td>Retail</td>
</tr>
<tr>
<td>7702100B</td>
<td>Deutsch DTM</td>
<td>Bulk</td>
</tr>
<tr>
<td>7713*</td>
<td>Stripped Wire</td>
<td>Retail</td>
</tr>
<tr>
<td>7713100B</td>
<td>Deutsch DTM</td>
<td>Bulk</td>
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</tr>
<tr>
<td>7717100B</td>
<td>Deutsch DTM</td>
<td>Bulk</td>
</tr>
</tbody>
</table>

Application
- Battery switching from a convenient location with Multi-Station control capability and no continuous current draw
- Battery switching from a convenient location with Master ON-OFF control of individually switched units

Manual Control Override Knob
- Provides an added level of safety allowing control with or without power, and offering LOCKED OFF capability for security and servicing

Nominal Voltage
- 12V DC
- 24V DC
- 12V DC
- 24V DC

Contact Circuit Voltage
- 32V DC Max.
- 32V DC Max.
- 16V DC Max.
- 32V DC Max.

Control Wires
- 2 wires connect battery switch to remote switch: one to open and one to close relay
- 1 wire connects battery switch to remote switch

Control Current
- Positive pulsed once to change relay state
- Positive continuous current to close

Cranking Rating (10 sec.)
- 2,500A DC

Cranking Rating (1 min.)
- 1,100A DC

Intermittent Rating (5 min.)
- 700A DC

Continuous Rating
- 500A DC

Amperage Operating Current - continuous (25°C nominal VDC)
- 0mA
- < 13mA

Amperage Operating Current - when changing state
- < 7.0A DC
- < 4.0A DC
- < 7.0A DC
- < 4.0A DC

Switching Cycles
- 100,000

Coil Function
- Magnetic Latching Bi-Stable
- Magnetic Latching Auto-Releasing

Control Switch Included
- 2145 SPDT (ON)-OFF-(ON)
- 2155 SPDT ON-ON

Multi-Station Switching Capability
- Yes
- No

Master Control Switch Capability
- Yes
- No

Control Circuit Connection
- Tinned Wire

Mounting
- #10 or M5

Terminal Stud Size
- 3/8”-16 (M10)

Terminal Stud Length
- 7/8” (22 mm)

Maximum Terminal Stud Torque
- 140 in-lb (15.8 Nm)

Cable Size to Meet Ratings
- 4/0 AWG (120 mm²) x 2

Terminal Ring Diameter Clearance
- 1.12” (28.4 mm)

Remote Control Contura Switch (PN 2145, 2155)

Specifications
- Amperage Operating Current (LED) 18mA
- Temperature Range -40°C - 85°C
- Pole/Throw SPDT
- Lighting LED rated 100,000 hours half-life
- Seals Internal and external gasket panel seal
- Mounting Hole 1.45” x 0.83” (36.83 mm x 21.08 mm)

Regulatory
- Meets UL 1500 and ISO 8846 external ignition protection requirements
- IP67—protected against immersion up to 1 meter for 30 minutes

* Bulk units available that incorporate Deutsch DTM Connectors. Other connector plugs are available for high volume OEM applications.