General Information:

• Fusible solution for replacement of existing dc Telecom circuit breakers.
• Compact size fused disconnect switch.
• AmpColor ID™ System for easy fuse replacement.
• Available in two disconnect switch profiles in addition to a variety of terminal styles.
• Local and remote open fuse indication.
• Local alarm indication provided by LED on TPC fuse.
• Remote alarm terminal available in three positions commonly found in dc circuit protection devices.
• Recommended .75 inch center-to-center product spacing.
• Current-limiting capability
• Complete system coordination capability.
• Highest interrupting rating (100,000A) available for dc circuit protection of this footprint.
• No venting of arc or molten metals and gases during fuse opening.
• Fuse material: Black thermoplastic, UL rated 94 V-O, 170° C RTI.
• Housing material: Black thermoplastic, UL rated 94 V-O, 120° C RTI.

Catalog Number | Description | Ampere Rating
---|---|---
TPC-3 | Compact Fuse | 3A
TPC-4 | Compact Fuse | 4A
TPC-5 | Compact Fuse | 5A
TPC-6 | Compact Fuse | 6A
TPC-7 | Compact Fuse | 7A
TPC-8 | Compact Fuse | 8A
TPC-10 | Compact Fuse | 10A
TPC-12 | Compact Fuse | 12A
TPC-15 | Compact Fuse | 15A
TPC-20 | Compact Fuse | 20A
TPC-25 | Compact Fuse | 25A
TPC-30 | Compact Fuse | 30A
TPC-40 | Compact Fuse | 40A
TPC-50 | Compact Fuse | 50A
TPC-60 | Compact Fuse | 60A
TPC-75 | Compact Fuse | 75A
TPC-90 | Compact Fuse | 90A
TPC-100 | Compact Fuse | 100A
TPC-125 | Compact Fuse | 125A
TPCDS-BBE-1 | Compact Disconnect | 3-125A
TPCDS-BBE-2 | Compact Disconnect | 3-125A
TPCDS-BBE-3 | Compact Disconnect | 3-125A
TPCDS-BBM-1 | Compact Disconnect | 3-125A
TPCDS-BBM-2 | Compact Disconnect | 3-125A
TPCDS-BBM-3 | Compact Disconnect | 3-125A
TPCDS-BSE-1 | Compact Disconnect | 3-125A
TPCDS-BSE-2 | Compact Disconnect | 3-125A
TPCDS-BSE-3 | Compact Disconnect | 3-125A
TPCDS-BSM-1 | Compact Disconnect | 3-125A
TPCDS-BSM-2 | Compact Disconnect | 3-125A
TPCDS-BSM-3 | Compact Disconnect | 3-125A
TPCDS-SSS-1 | Compact Disconnect | 3-125A
TPCDS-SSS-2 | Compact Disconnect | 3-125A
TPCDS-SSS-3 | Compact Disconnect | 3-125A
TPCDS-SSS-1* | Compact Disconnect | 3-125A
TPCDS-SSS-2* | Compact Disconnect | 3-125A
TPCDS-SSS-3* | Compact Disconnect | 3-125A
TPCDS-D-BC1* | Compact Disconnect | 3-125A
TPCDS-D-BC2* | Compact Disconnect | 3-125A
TPCDS-D-CC1* | Compact Disconnect | 3-125A
TPCDS-D-SEC1* | Compact Disconnect | 3-125A
TPCDS-D-SEC2* | Compact Disconnect | 3-125A
TPCDS-D-SMC1* | Compact Disconnect | 3-125A
TPCDS-D-SMC2* | Compact Disconnect | 3-125A

*Not investigated to Canadian Requirements.
### Telpower® Compact Fused Disconnect Switch

**Compact Fused Disconnect Switch**
- Bullet and / or stud terminals for line and load connections (1.940 inch / 49.3 mm spacing).
- Front access with bullet terminals. Rear access with stud terminals.
- Three terminal style configurations available (see below).
- Remote alarm terminal available in three positions common to dc circuit protection devices.

### Part Number System --

**Compact Fused Disconnect Switch**
To identify part number, replace block with appropriate suffix to identify line and load terminals, thread type, and alarm terminal distance.

**TPCDS - TELPOWER® Compact Fused Disconnect Switch**

<table>
<thead>
<tr>
<th>Terminal Style (select one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB - Bullet contact on the line</td>
</tr>
<tr>
<td>BS - Bullet contact on the line</td>
</tr>
<tr>
<td>SS - Stud terminal on the line</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thread (select one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M - Metric threads for panel mount fasteners (M3) and stud (M5)</td>
</tr>
<tr>
<td>E - English threads for panel mount fasteners (6-32) and stud (10-32)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remote Alarm Terminal Distance (select one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - .645 inch from line terminal</td>
</tr>
<tr>
<td>2 - .970 inch from line terminal</td>
</tr>
<tr>
<td>3 - 1.285 inch from line terminal</td>
</tr>
</tbody>
</table>

### DIN Rail Fused Disconnect Switch

**DIN Rail Fused Disconnect Switch**
- 35mm DIN rail mountable
- Front access.
- Three terminal style configurations available (see below).
- Screw clamp accepts 10 to 1 AWG (6mm² - 50mm²) wire.
- Two remote alarm terminal positions available.

### Part Number System --

**DIN Rail Fused Disconnect Switch**
To identify part number, replace block with appropriate suffix to identify line and load terminals, thread type if applicable, and alarm terminal option.

**TPCDS - TELPOWER® Compact Fused Disconnect Switch D - DIN-Rail style product**

<table>
<thead>
<tr>
<th>Terminal Style (select one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC - Screw Clamp terminal on the line</td>
</tr>
<tr>
<td>BC - Bullet contact on the line</td>
</tr>
<tr>
<td>SEC - Stud terminal on the line</td>
</tr>
<tr>
<td>SMC - Stud terminal on the line</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remote Alarm Terminal Location (select one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Side output (available on CC and BC terminal styles)</td>
</tr>
<tr>
<td>2 - Bottom output, .970 inch from line terminal (available on BC terminal style only)</td>
</tr>
</tbody>
</table>

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1. The Electronic Monitoring Circuit (EMC) is a high input impedance device that will provide alarming for an open-fuse condition.
2. Typical leakage current through the load when the EMC is operational ≤ 2 mA.
3. The resistance, R, must be provided by the end-user to limit the alarm output current to a maximum of 20 mA. The value, R, should be calculated using the system voltage value.
   - If remote alarm functionality is not required, the END-USER CIRCUITRY must still be supplied to provide a resistive path to the return for the local alarm to properly function.
4. The fuse is polarized to maintain proper orientation with the switch housing. The line and load terminals are identified on the switch housing.
5. Electrical integrity of the load must be maintained after fuse has opened in order for the local and remote alarm to properly function.
Telpower's AmpColor ID™ System Is Easy to Use. Each Amp rating is represented by a specific color. Simply label new or existing panels with the appropriate AmpColor tags and post the AmpColor chart nearby. Personnel can quickly and accurately reference the chart for the appropriate replacement fuse.
Time-Current Characteristic Curve—Average Melt - 3-20 Amp

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