

## Telpower® Miniature Fused Disconnect Switch

## TPM &amp; TPMDS

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TPMDS - Telpower® Miniature Fused Disconnect Switch

TPM - Telpower® Miniature Fuse - Current Limiting

Ampere Ratings: 3-30A

Voltage Rating: 80VDC

Interrupting Rating: 20,000A

Agency Information: **CE**

UL Recognized (investigated to UL 1801) as a disconnect switch for the interruption of load current by means of withdrawing the fuse pullout.

Recognized to U.S. and Canadian requirements under the component recognition program of Underwriters Laboratories Inc.

Files E219046 and E56412.

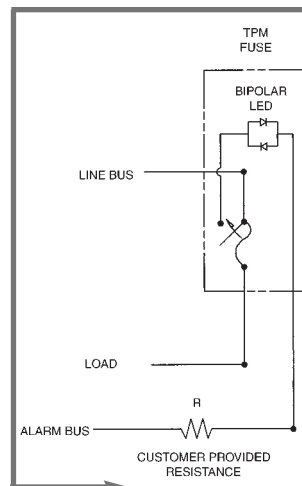
| Catalog Number | Description                   | Ampere Rating |
|----------------|-------------------------------|---------------|
| TPM-3          | Miniature Fuse                | 3A            |
| TPM-4          | Miniature Fuse                | 4A            |
| TPM-5          | Miniature Fuse                | 5A            |
| TPM-6          | Miniature Fuse                | 6A            |
| TPM-7          | Miniature Fuse                | 7A            |
| TPM-8          | Miniature Fuse                | 8A            |
| TPM-10         | Miniature Fuse                | 10A           |
| TPM-12         | Miniature Fuse                | 12A           |
| TPM-15         | Miniature Fuse                | 15A           |
| TPM-20         | Miniature Fuse                | 20A           |
| TPM-25         | Miniature Fuse                | 25A           |
| TPM-30         | Miniature Fuse                | 30A           |
| TPMDS-E        | Miniature Disconnect, English | 3-30A         |
| TPMDS-M        | Miniature Disconnect, Metric  | 3-30A         |

## General Information:

- Smallest and most versatile fused disconnect switch available.
- Small size allows for assembly into 1 U (1.75 inch / 44.5 mm) panel.
- AmpColor ID™ System for easy fuse replacement.
- Switch design provides for easy panel mounting by single captive 4-40 (M3) nut and panel notch integral to switch footprint.
- Local and remote open fuse indication. Local alarm indication provided by LED on TPM fuse.
- Current-limiting capability
- Complete system coordination capability
- Load connection: 1/4 inch quick-connect or bolted connection with 10-32 (M5) captive nut.
- Line connection: 1/4 inch quick-connect or screw connection with clearance hole for #10 (M5) bolt.
- Maximum alarm circuit current: 20 mA
- Materials:  
Fuse housing - black thermoplastic, UL 94 V-0, 170°C RTI  
Switch housing - black thermoplastic, UL 94 V-0, 140°C RTI

**CE** CE logo denotes compliance with European Union Low Voltage Directive (50-1000VAC, 75-1500VDC). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

## TPM Alarm Schematic

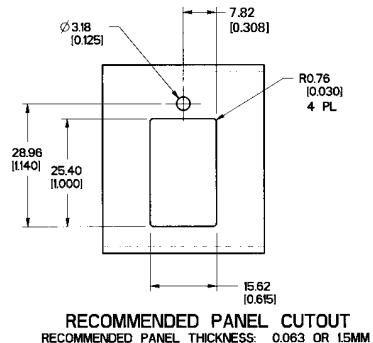
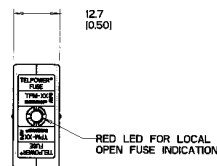
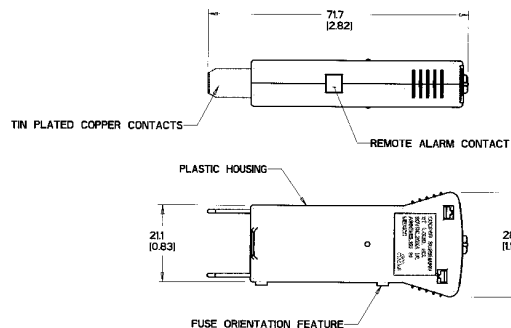
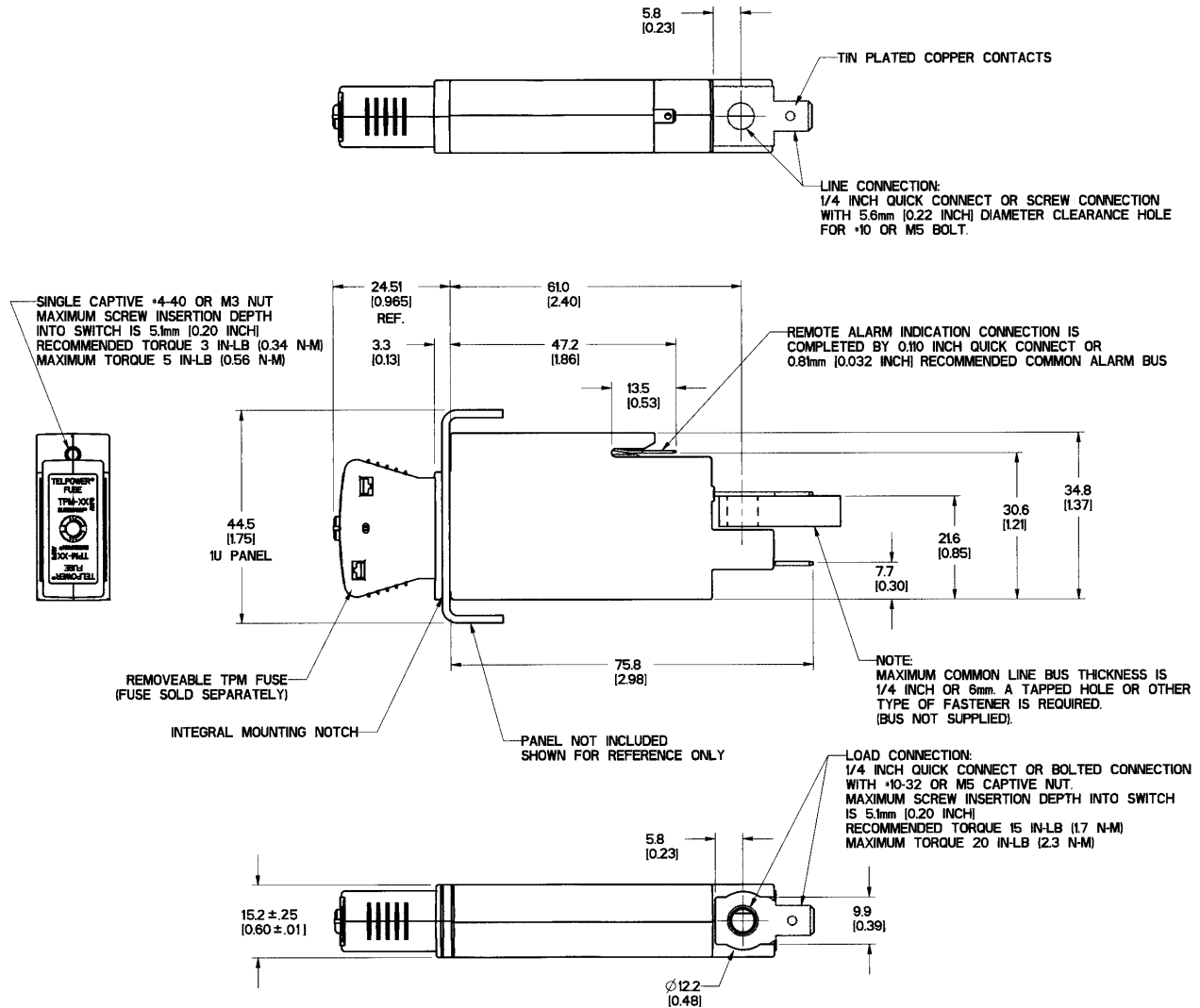


## NOTES:

1. 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.
2. The fuse is polarized to maintain proper orientation with the switch housing. The line and load terminals are identified on the switch housing.

The only controlled copy of this Data Sheet is the electronic read-only version located on the Bussmann Network Drive. All other copies of this document are definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

## TPM & TPMDS - Dimensional Data



## Telpower® Miniature Fused Disconnect Switch

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## AmpColor ID™ System

**Bussmann®**  
**TELPOWER®**  
Technology

Use This Chart to  
Manage Your  
Telpower®  
Fused Disconnect  
Switches.

Welcome to the AmpColor ID™  
System. Please reference this chart to  
determine which replacement Telpower  
fuse is needed.

Each amp rating is represented  
by a specific color or combination  
of colors.

Please place matching AmpColor  
label on panel to identify ampere  
position. For use with Telpower®  
TPC fuses and TPM fuses.

**COOPER Bussmann**

*For the latest product information  
and updates visit*  
[www.telpoweronline.com](http://www.telpoweronline.com)

Chart Reorder no. 3A0347

|     |      |
|-----|------|
| 3A  | 25A  |
| 4A  | 30A  |
| 5A  | 40A  |
| 6A  | 50A  |
| 7A  | 60A  |
| 8A  | 75A  |
| 10A | 90A  |
| 12A | 100A |
| 15A | 125A |
| 20A |      |

AmpColor ID™ System for Telpower® TPC  
and TPM fuses.

**Bussmann®** 9-01-5M

AmpColor ID™ Chart  
included with each  
box of ten TPM  
fuses.

**TPM Fuses: 3-30A**  
**TPC Fuses: 3-125A**

Reference Data Sheet: 5023  
for TPC fuse specifications.

Twelve AmpColor  
ID™ tags included  
with each box of  
ten TPM fuses.

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 appro-  
priate AmpColor tags and post the AmpColor chart  
nearby. Personnel can quickly and accurately refer-  
ence the chart for the appropriate replacement fuse.

**20A**  
TPM-20

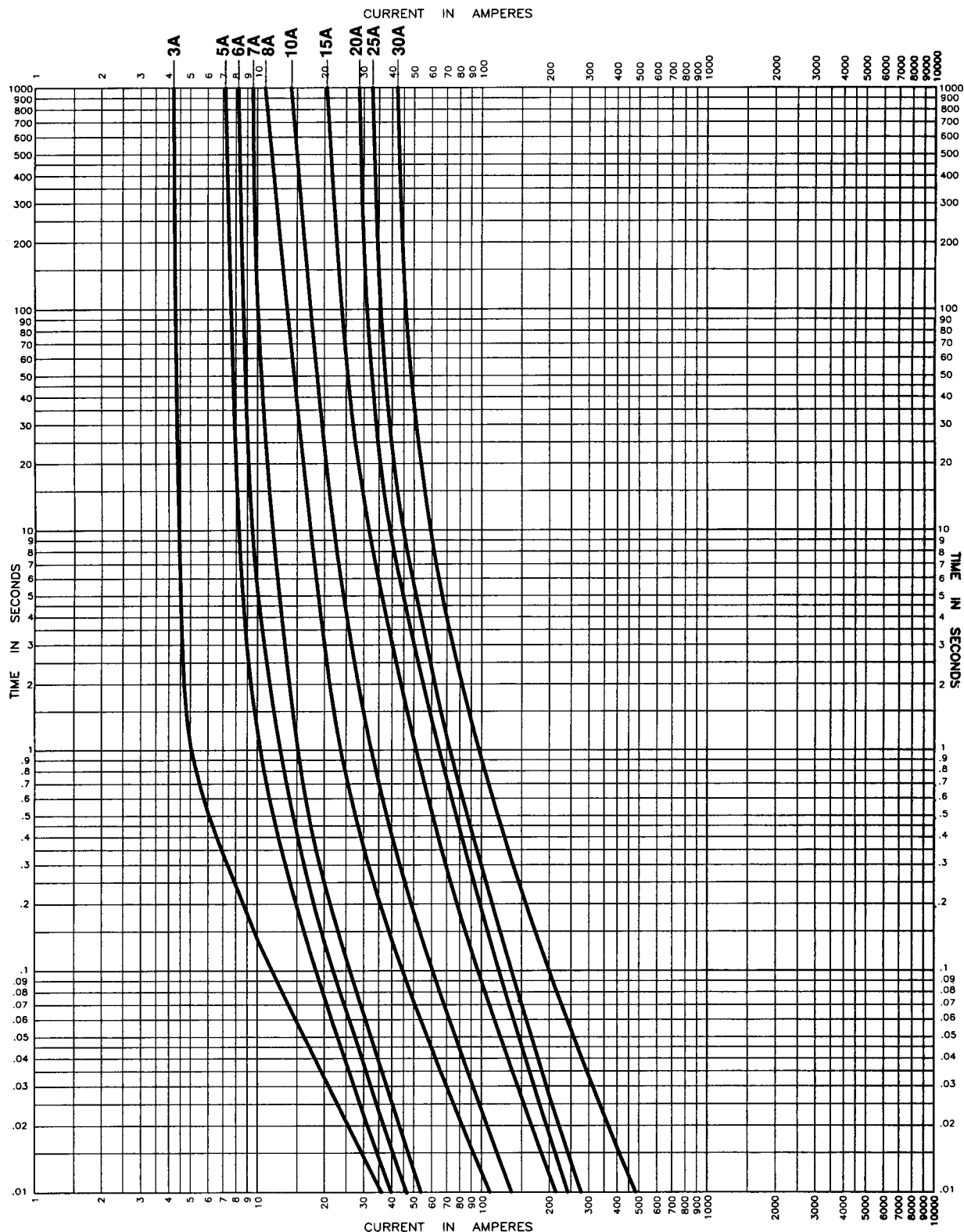
**30A**  
TPM-30

**7A**  
TPM-7

AmpColor ID™ tags

# Telpower® Miniature Fused Disconnect Switch

## TPM & TPMDS



Time-Current Characteristic Curve—Average Melt

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[TPMDS-E](#) [TPMDS-M](#)