Telpower® Miniature Fused Disconnect Switch TPM & TPMDS

TPM & TPMDS

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

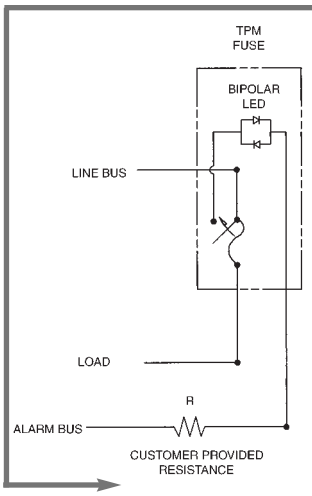
General Information:

- 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, 170ºC RTI
  Switch housing - black thermoplastic, UL 94 V-0, 140ºC 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

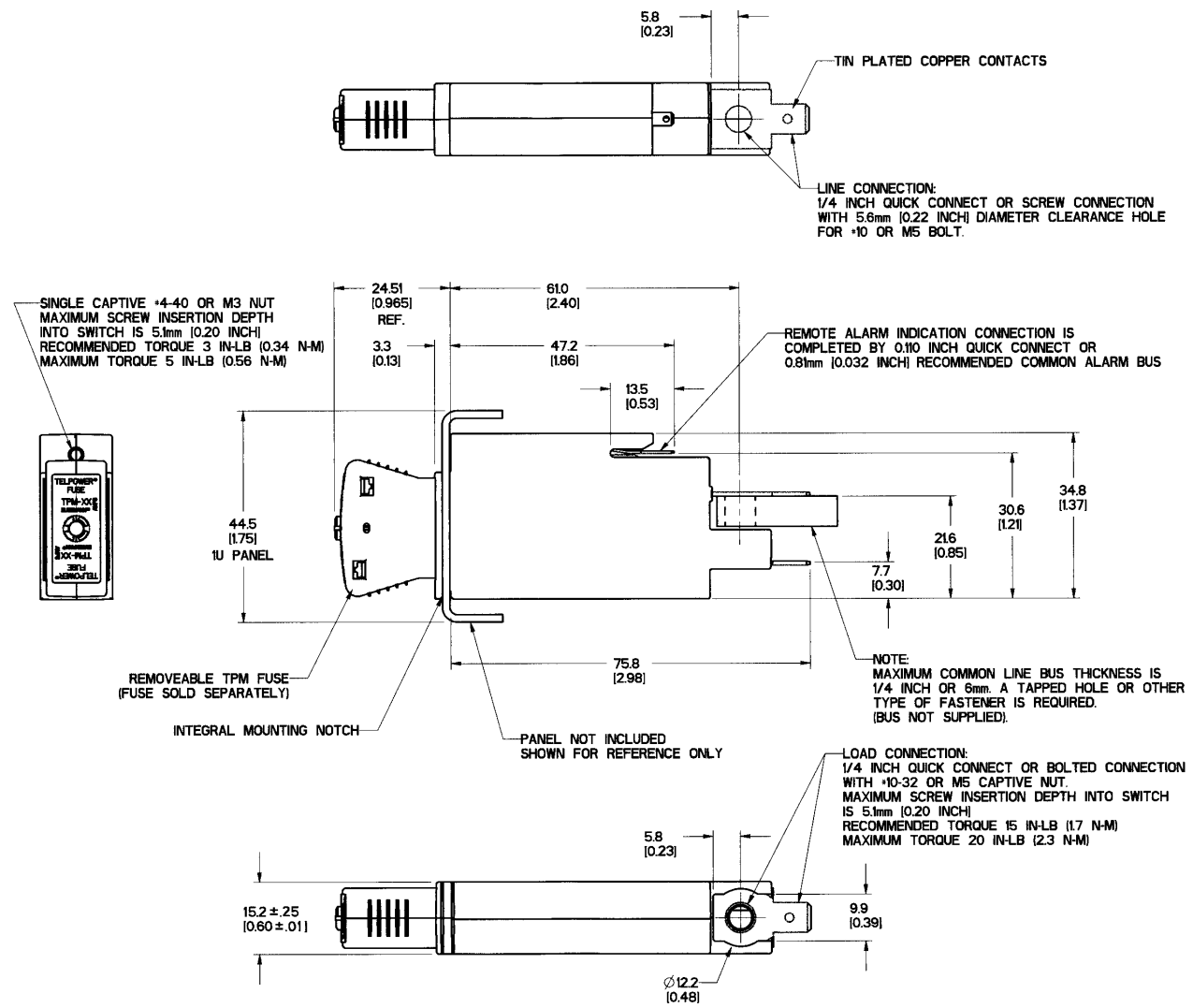


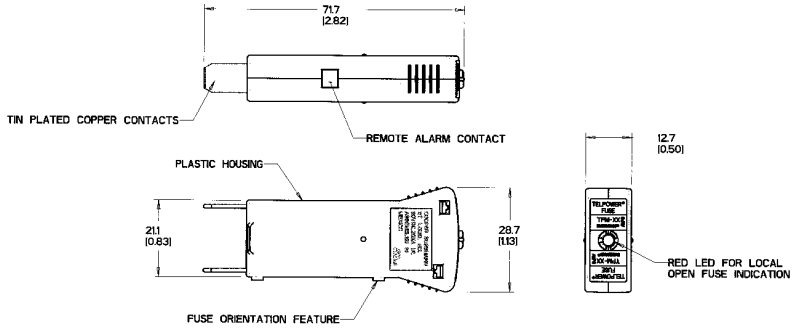
NOTES:

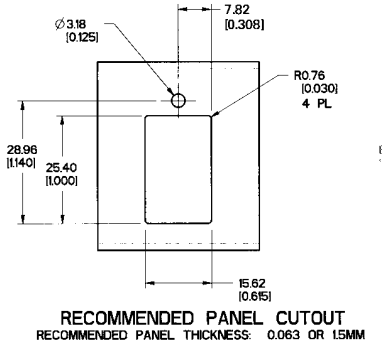
1. The resistance, R, must be provided by the end-user to limit the alarm output current to a maximum of 20 mA. The value, R, should be calculated using the system voltage value.
   - If remote alarm functionality is not required, the *END-USER CIRCUITRY* must still be supplied to provide a resistive 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

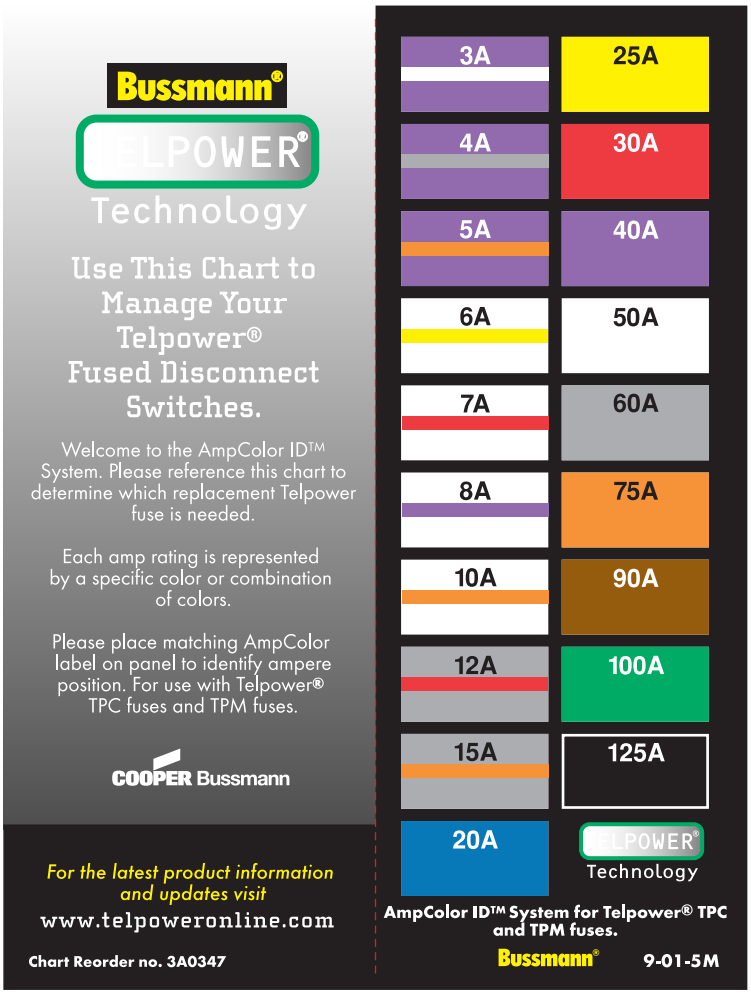






RECOMMENDED PANEL CUTOUT
RECOMMENDED PANEL THICKNESS: 0.063 OR 1.5MM

AmpColor ID™ System



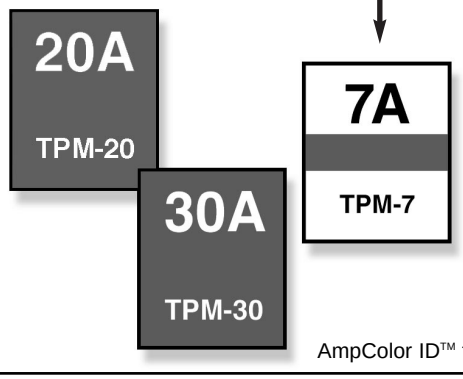
AmpColor ID™ Chart included with each box of ten TPM fuses.

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

Reference Data Sheet: 5023 for TPC fuse specifications.

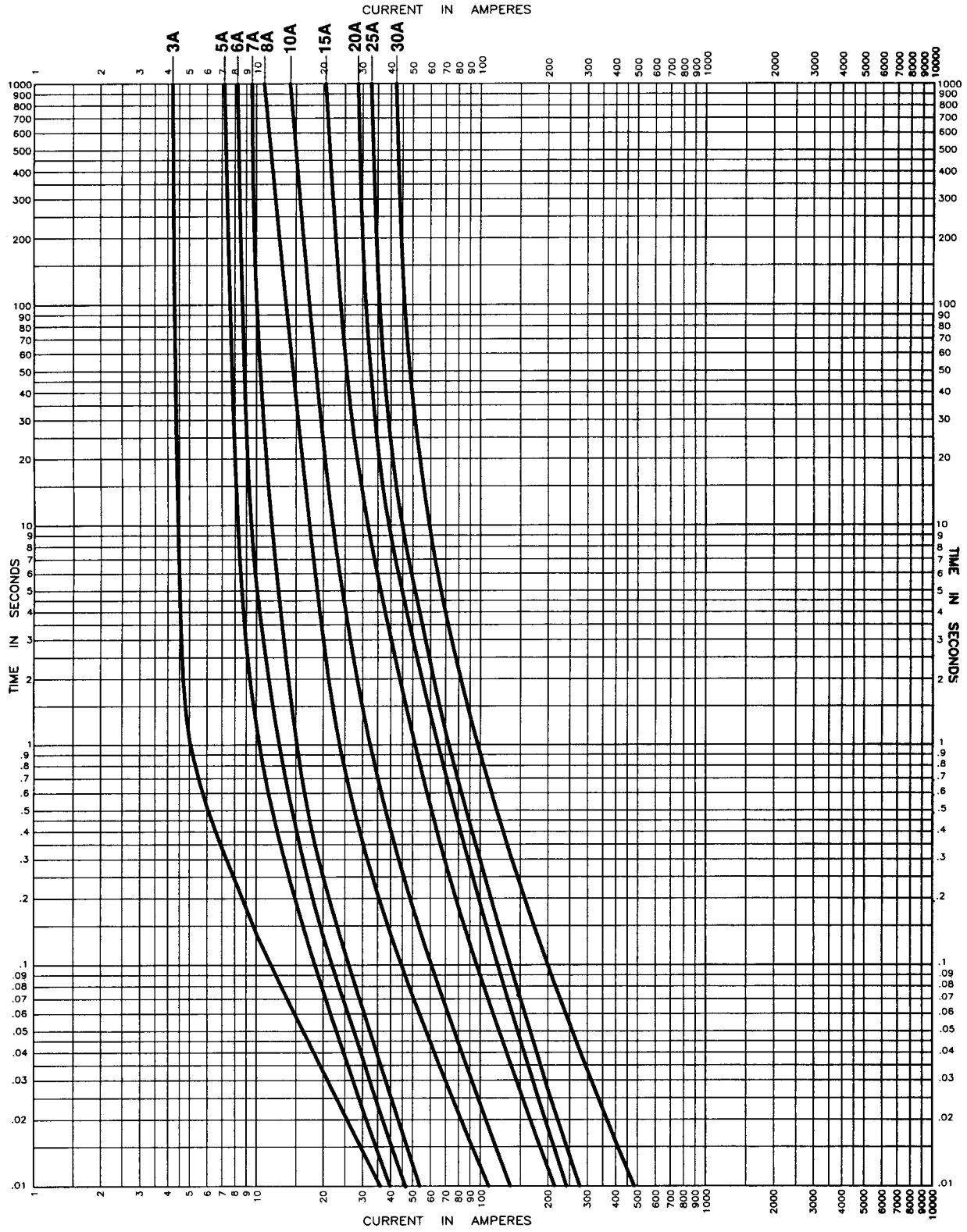
Twelve AmpColor ID™ tags included with each box of ten TPM fuses.

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 appropriate AmpColor tags and post the AmpColor chart nearby. Personnel can quickly and accurately reference the chart for the appropriate replacement fuse.



AmpColor ID™ tags

Telpower® Miniature Fused Disconnect Switch TPM & TPMDS



Time-Current Characteristic Curve–Average Melt