Telpower Miniature Fused Disconnect Switches

TPM & TPMDS

Specifications

Description:

— TPM: Telpower miniature current-limiting fuses.

— TPMDS: Telpower miniature fused disconnect switch.

Dimensions: See Data Sheet 5022.

Ratings:

Volts: — 80Vdc

Amps: — 3-30A

IR: — 20kA

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 US and Canadian requirements under the component recognition program of Underwriters Laboratories Inc. Files E219046 and E56412.

Flammability Ratings: Fuse UL 94V0, 170ºC RTI; Switch UL 94V0, 140ºC RTI.

Features and Benefits

- Smallest and most versatile fused disconnect switch available allowing for assembly into 1 U (1.75”/44.5mm) panel. Easy to connect; Load: ¼” quick-connect or bolted connection with 10-32 (M5) captive nut, Line: ¼” quick-connect or screw connection with clearance hole for #10 (M5) bolt.
- AmpColor ID™ System makes fuse replacement easy
- Switch design provides for easy panel mounting by single captive 4-40 (M3) nut and panel notch integral to switch footprint.
- Complete system coordination capability with local and remote open fuse indication. Local alarm indication provided by LED on TPM fuse (maximum alarm circuit current: 20mA)

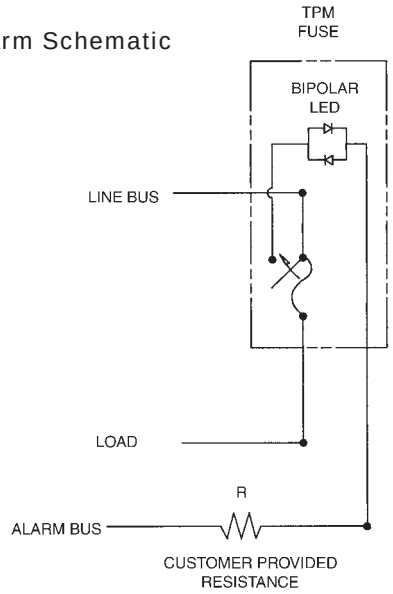
Typical Applications

- Telecommunications DC power circuit protection
- Applications with restricted space, or mounting in 1 U panels

Catalog Numbers

Catalog Numbers	Description	Amp Rating
TPM-3	Fuse	3
TPM-4	Fuse	4
TPM-5	Fuse	5
TPM-6	Fuse	6
TPM-7	Fuse	7
TPM-8	Fuse	8
TPM-10	Fuse	10
TPM-12	Fuse	12
TPM-15	Fuse	15
TPM-20	Fuse	20
TPM-25	Fuse	25
TPM-30	Fuse	30
TPMDS-E	Disconnect, English hardware	3-30
TPMDS-M	Disconnect, Metric hardware	3-30

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 20mA. 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.

Data Sheet: 5022