

# Telpower® High Current Switch

## TPHCS



TPHCS800-MAV (shown)

### TPHCS

#### Telpower® High Current Switch

For use with Telpower® Fuses Type TPL-B AND TPL-C.

#### Patents Pending

**Ampere Ratings:** 70 to 800 Amperes

**Voltage Rating:** 80 Volts DC

**U.L. Withstand Rating:** 100,000A

#### Agency Information:

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

U.L. Recognized to meet the requirements for Canadian Standards.

#### General Information:

- Innovative new design eliminates need for tools to replace the Telpower® type TPL-B or TPL-C fuse.
- Easy to install—captive fasteners allow for direct busbar mounting (bolts not included).
- Optional new electronic alarm provides both local and remote open-fuse indications.
  - Bipolar alarm designed for both Central Office and Radio applications.
  - Local LED alarm indication for ease-of-viewing.
  - Standard ¼" male quick-connect terminal for effortless remote alarm connection (Maximum remote alarm current: 20mA).
  - Eliminates need for parallel indicating fuses.
- Fuse presence window allows for easy viewing of installed fuse ampere rating.
- Compact design for today's high power, high-density cabinets.
- Available as complete switch or pullout and base may be purchased separately.

#### Part Number System—Switches (Pullout and Base)

To identify part number, replace block with appropriate suffix to identify ampereage, thread type, and alarm option.

#### Ampereage (select one)

**250** - For Use With 70 to 250

Amp Type TPL-B Fuses

**800** - For Use With 300 to 800

Amp Type TPL-C Fuses

#### Thread (select one)

**M** - Metric, M8 x 1.25

**E** - English, 5/16 - 18

#### Alarm (leave blank for non-alarming version)

**L** - LED Only, Requires Input From Customer Alarm Circuit

**AV** - Alarm, System Voltage

\*Consult factory for availability

#### Part Number System—Bases

To identify part number, replace block with appropriate suffix to identify thread type, and alarm option.

**TPHCS - B -**

#### Thread (select one)

**M** - Metric, M8 x 1.25

**E** - English, 5/16 - 18

#### Alarm (leave blank for non-alarming version)

**L** - LED Only, Requires Input From Customer Alarm Circuit

**AV** - Alarm, System Voltage

\*Consult factory for availability

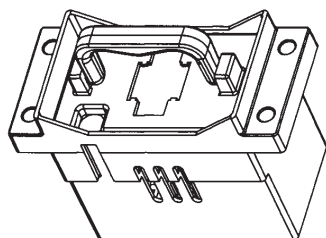
Catalog Numbers—Switches (Pullout and Base)		Series Fuse	Ampere Rating
TPHCS250-M	High Current Switch, Metric	TPL-B	70 to 250 Amp
TPHCS250-E	High Current Switch, English	TPL-B	70 to 250 Amp
TPHCS250-ML	High Current Switch, Metric, LED	TPL-B	70 to 250 Amp
TPHCS250-EL	High Current Switch, English, LED	TPL-B	70 to 250 Amp
TPHCS250-MAV	High Current Switch, Metric, Alarm	TPL-B	70 to 250 Amp
TPHCS250-EAV	High Current Switch, English, Alarm	TPL-B	70 to 250 Amp
TPHCS800-M	High Current Switch, Metric	TPL-C	300 to 800 Amp
TPHCS800-E	High Current Switch, English	TPL-C	300 to 800 Amp
TPHCS800-ML	High Current Switch, Metric, LED	TPL-C	300 to 800 Amp
TPHCS800-EL	High Current Switch, English, LED	TPL-C	300 to 800 Amp
TPHCS800-MAV	High Current Switch, Metric, Alarm	TPL-C	300 to 800 Amp
TPHCS800-EAV	High Current Switch, English, Alarm	TPL-C	300 to 800 Amp

Catalog Numbers - Components		Series Fuse	Ampere Rating
TPHCS250-P	Pullout only - 250 A	TPL-B	70 to 250 Amp
TPHCS800-P	Pullout only - 800 A	TPL-C	300 to 800 Amp
TPHCS-B-M	Base only, Metric	—	800 Amp Max.
TPHCS-B-E	Base only, English	—	800 Amp Max.
TPHCS-B-ML	Base only, Metric, LED	—	800 Amp Max.
TPHCS-B-EL	Base only, English, LED	—	800 Amp Max.
TPHCS-B-MAV	Base only, Metric, Alarm	—	800 Amp Max.
TPHCS-B-EAV	Base only, English, Alarm	—	800 Amp Max.

# Telpower® High Current Switch

## TPHCS

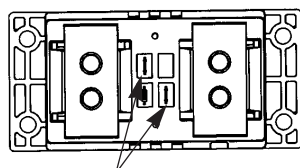
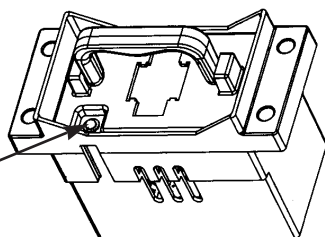
### TPHCS -M & -E



**NOTE:**  
1. TPHCS -M and -E are the same with the exception of thread type.

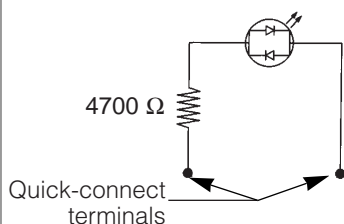
### TPHCS -ML & -EL

LED open-fuse indication when used with customer provided alarm circuit



**BOTTOM VIEW**

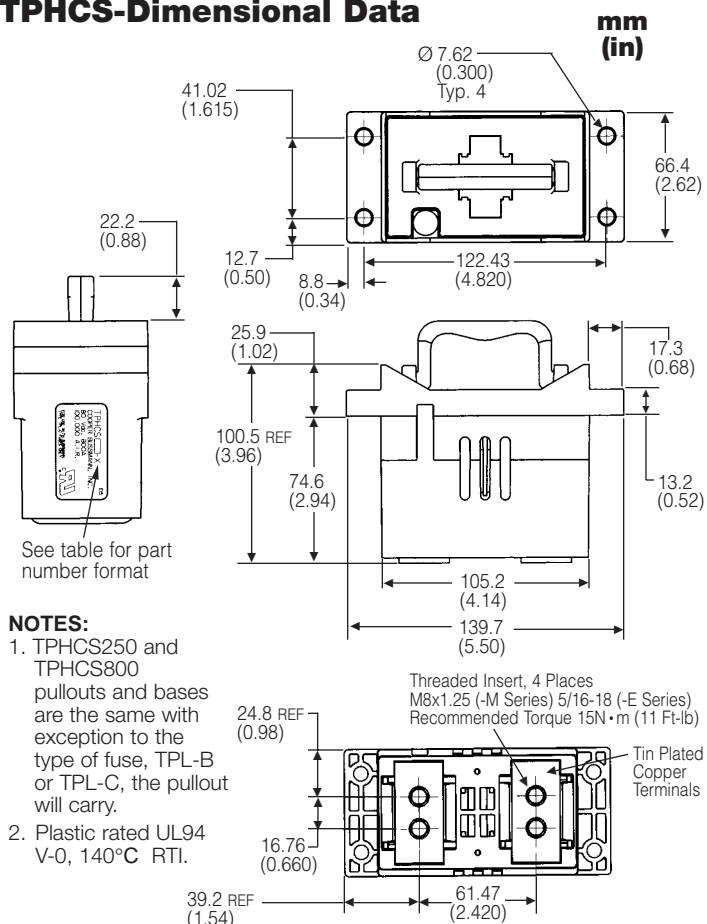
LED alarm connections 1/4" male quick connects.



**LED CIRCUIT SCHEMATIC**

**NOTES:** 1. TPHCS -ML & -EL are the same with the exception of thread type.  
2. Maximum continuous LED current 20mA.

### TPHCS-Dimensional Data



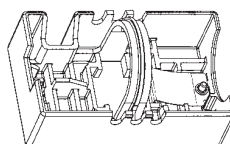
#### NOTES:

1. TPHCS250 and TPHCS800 pullouts and bases are the same with exception to the type of fuse, TPL-B or TPL-C, the pullout will carry.
2. Plastic rated UL94 V-0, 140°C RTI.

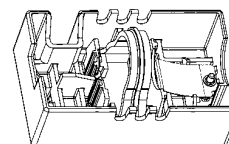
### TPHCS COMPONENTS

See Catalog Numbers for complete list

#### PULLOUTS

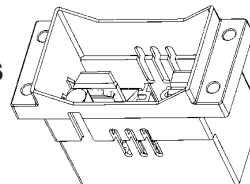


**TPHCS800-P**



**TPHCS250-P**

#### BASES



**TPHCS-B-M**  
(shown for reference)

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