

## Telpower® Compact Fused Disconnect Switch

## TPC &amp; TPCDS

**TPC & TPCDS****TPCDS** - Telpower® Compact Fused Disconnect Switch**TPC** - Telpower® Compact Fuse - Current Limiting**Ampere Ratings:** 3-125AAvailable Ratings: 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 25, 30,  
40, 50, 60, 75, 90, 100, 125A**Voltage Rating:** 80Vdc**Interrupting Rating:** 100,000A**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.

**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 common to 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 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.

CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering for more information.

Look for Telpower® BLUE™ fuses exclusively from Cooper Bussmann.



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-SSE-1	Compact Disconnect	3-125A
TPCDS-SSE-2	Compact Disconnect	3-125A
TPCDS-SSE-3	Compact Disconnect	3-125A
TPCDS-SSM-1	Compact Disconnect	3-125A
TPCDS-SSM-2	Compact Disconnect	3-125A
TPCDS-SSM-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.

Data Sheet: 5023



For complete specification data, call Bussmann Information Fax ~ 636.527.1450

175

# 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

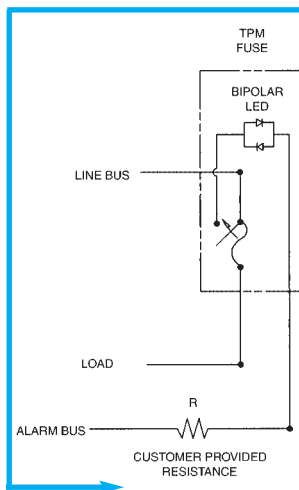
## General Information:

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

CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering 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.

Look for Telpower® BLUE™ fuses exclusively from Cooper Bussmann.

Data Sheet: 5022



# Fused Disconnect Switch



## TP15914 4 Pole Disconnect Switch and TPA Series Fuses

**Ampere Rating:** 50A per pole

**Voltage Rating:** 145Vdc

**Agency Information:**

UL recognized as a disconnect switch for interruption of load current by means of withdrawing the fuse carrier.

UL recognized as a component for telecommunication power distribution equipment (UL category QPQYZ).

UL recognized fuses for branch circuit protection.

CSA component acceptance for the system.

**Material:** UL rated 94V-0, 140°C rated

**Fuse**

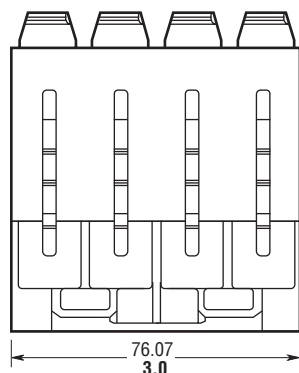
Fuse Type	TPA	TPA-B
Current	3, 5, 10, 15, 20, 25, 30, 40, 50	20, 25
Voltage	170Vdc	65Vdc
Interrupting	100 kA	20 kA

UL Recognized, Guide JFHR2, File E56412

CSA Certified, Class 1422-30, File 53787

**Dimensional Data**

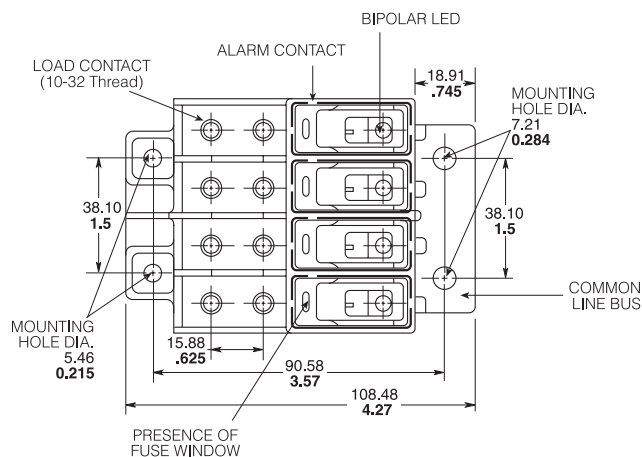
MM  
Inches



TOP

- Front access load and line connection standard—double lug load connections 8 AWG wire.
- Recognized branch circuit protection device.
- Modular design—4 poles per module up to four modules banked together.
- Ease of installation—Connection directly to bus bar.
- Reduces external wiring—per pole.
- LED alarm signaling (LED current 30mA max.).
- Blown fuse indication.
- Alarm test probe point, to allow on-site checking of alarm circuitry.
- Snap into alarm bus.
- Bi-polar LED provides capability for both -48V DC and +24V DC applications.
- Fuse presence indication.
- Fuse orientation rejection feature.
- Totally enclosed module.
- Spare fuseholders: Part No. 5TPH and TPSFH-A
- Remote alarm.
- Contact Bussmann for options on standard module (Hardware, Color, Front line connection, Mounting bezel).

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.



For complete specification data, call Bussmann Information Fax ~ 636.527.1450

Data Sheet: 5011

# Fused Disconnect Switch & TPA Fuses



## TP15900-4

### 4-Pole Disconnect Switch

For use with Telpower® fuses Type TPA & TPA-B.

**Electrical Ratings:** 40A per pole at 145Vdc  
50A per pole at 80Vdc

#### Agency Information:

UL Recognized as a disconnect switch for interruption of load current by means of withdrawing the fuse carrier.  
UL Recognized as a component for telecommunication power distribution equipment (UL category QPQY2).  
UL Recognized fuses for branch circuit protection.  
CSA Component Acceptance for the system.

#### General Information:

- Ease of installation - connection directly to bus bar.
- Reduces external wiring per pole.
- LED alarm signaling (LED current 30mA max.).
- Local and remote open-fuse indication.
- Alarm test probe point, to allow on-site checking of alarm circuitry.
- Fuse presence indication.
- Fuse orientation rejection feature.
- Rear accessibility for line and load terminations.

**Material:** UL rated 94V-0, 140°C rated

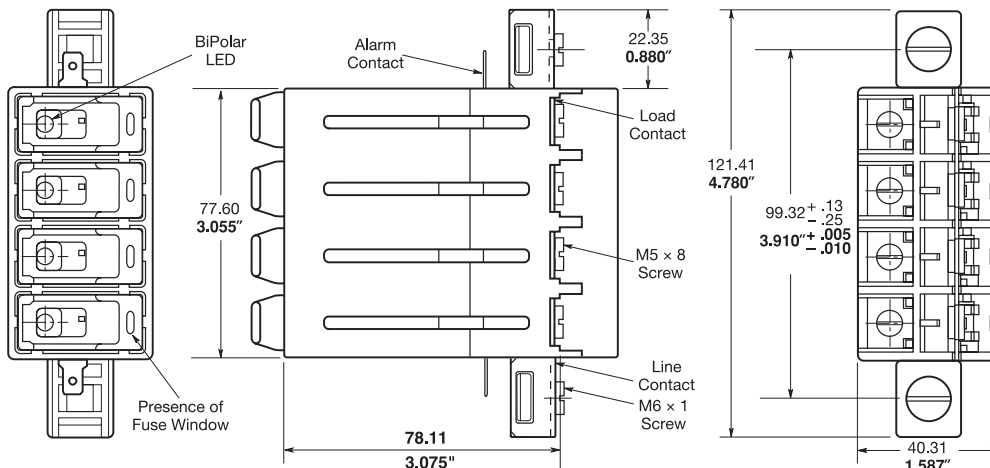
#### Catalog Numbers

TP15900-4	
TP15900-41	Split Alarm, Split Line

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.

Data Sheet: 5001

#### Dimensional Data



## TPA & TPA-B

### DC Power Distribution Indicating Fuses

**Ampere Rating:** TPA: 3, 5, 10, 15, 20, 25, 30, 40, 50  
TPA-B: 20, 25, 30

**Voltage Rating:** TPA, 170 Vdc; TPA-B, 65 Vdc

**Interrupting Rating:** TPA, 100 kA; TPA-B, 20 kA

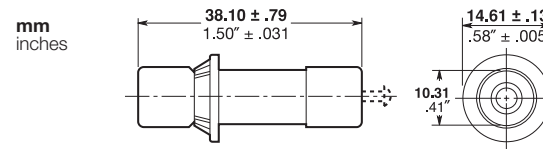
#### Agency Information:

UL Recognized, Guide JFHR2, File E56412  
CSA Certified, Class 1422-30, File 53787

#### Construction:

- Silver-plated brass ferrules and indicator pin on TPA 3-15 and TPA-B. Tin-plated brass on TPA 20-50 on indicator end.
- Glass melamine tube.
- Spare fuseholders: 5 position holder; 5TPH; 6 position holder; TPSFH-AS

#### Dimensional Data



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.

Data Sheet: 5012



# Fused Disconnect Switch



## 15800

### Fused Disconnect Switch

**Ampere Ratings:** 3 to 70A.

**Voltage Rating:** 60Vdc

**Agency Information:**

UL Recognized, Guide QPQY2, File E97649

UL Withstand Rating: 100,000A,

### Catalog Numbers

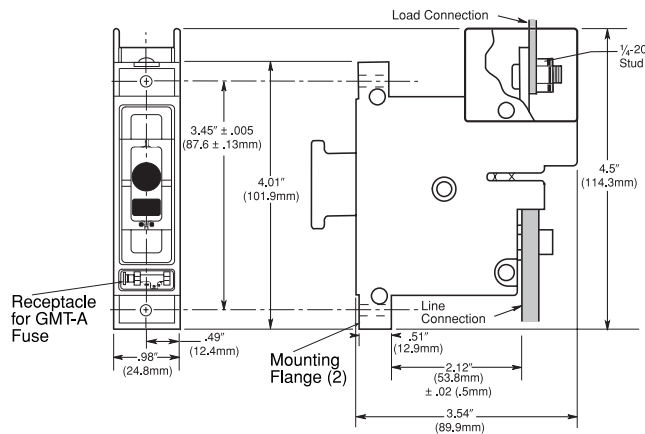
15800-R-200	Rear Access Panel Mounting
15800-F-200	Front Access Panel Mounting

- For use with the following fuses only:  
Main: Telpower® TPS 3 to 70 Amp  
Alarm: Bussmann GMT-A only (page 183).  
Recommend GMT-X Cover (page 183).
- Alarm output with wire wrap terminal or connection to .063" thick common alarm bus.
- Thermoplastic housing material U.L. rated 94V-0, 150°C.
- Spare alarm and power fuse compartment.
- Mounting hardware included.
- Spare fuseholders:  
for TPS fuses (TPSFH-AS);  
for GMT fuses (TPSFH-T), see page 196.

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.

### Dimensional Data

#### 15800-R-200



## TPS

**Ampere Ratings:** 1 to 70A.

**Voltage Rating:** 170Vdc

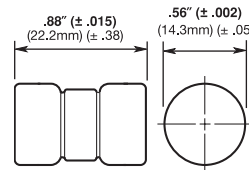
**Agency Information:** CE

UL Recognized, Guide JFHR2, File E56412

### Catalog Numbers

TPS-1	TPS-6L	TPS-30	TPS-50V
TPS-1L	TPS-10	TPS-30L	TPS-60
TPS-2	TPS-10L	TPS-35	TPS-60L
TPS-2L	TPS-15	TPS-35L	TPS-70
TPS-3	TPS-15L	TPS-40	TPS-70L
TPS-3L	TPS-20	TPS-40L	TPS-70LB
TPS-5	TPS-20L	TPS-40V	—
TPS-5L	TPS-25	TPS-50	—
TPS-6	TPS-25L	TPS-50L	—

### Dimensional Data



- TELPOWER fuse line is the first to be specifically designed to meet the unique needs of DC Power Distribution Systems.
- The UL Recognized ratings of 170Vdc and 100,000A interrupting rating along with the fuse's current limiting capability make this fuse ideal for cable protection on exist ing DC Distribution Systems.
- A unique BLUE label is used on all TELPOWER fuses to designate their DC capability.
- Circuit board applications available.
- Silver-plated brass ferrules.
- Glass melamine tube.
- For use with Bussmann Fused Disconnect Switch **15800**.
- Spare Fuseholder: TPSFH-AS, see page 198.
- Printed circuit board variations available.

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.



Data Sheet: 5002

Data Sheet: 5009

For complete specification data, call Bussmann Information Fax ~ 636.527.1450

# Fused Disconnect Switch

# TP158HC

## TP158HC

### Fused Disconnect Switch

For use with Telpower® Fuses Type TPL-B.

**Ampere Ratings:** 70-250A

**Voltage Rating:** 80Vdc

**UL Withstand Rating:** 100,000A

### Agency Information:

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

Guide QPQY2, File E97649.

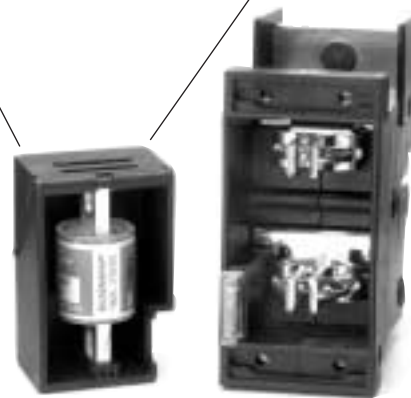
### Catalog Numbers:

TP158HC: Rear Access, Panel Mounting, English

TP158HC: Rear Access, Panel Mounting, Metric



### Easy Fuse Replacement



### General Information:

- High amp version of Bussmann 15800 series Fused Disconnect Switch.
- Similar profile, mounting method, and backplane configuration as 15800 Series. The TP158HC can be installed into existing 15800 Series panels using the space of two 15800 disconnects.
- Innovative new fuse pullout design eliminates need for tools to replace the Telpower® type TPL-B fuse.
- For use with the following fuses only:  
Main: Telpower® TPL-B 70-250 Amperes.  
Alarm: Bussmann GMT-A only.
- Alarm output with wire wrap terminal or connection to .063" thick common alarm bus.
- Hardware included:  
Load: washer, split lockwasher, and 5/16 – 18 nut.

- Thermoplastic housing material UL rated 94V-0, 150°C.
- Spare fuseholders:  
for TPL-B fuses (TPSFH-LB), see page 14;  
for GMT fuses (TPSFH-T), see page 14.
- Application Note: The line connection uses a 1/4-20 bolt (metric – M6X1) that threads into the line terminal. The line terminal is designed with a float of  $\pm 0.02$  in. ( $\pm .50$ mm) to allow for variation in the distance between the TP158HC mounting flange and the line bus bar (see dimensional data). Equipment should be designed to eliminate any relative movement between the TP158HC mounting flange and the line bus bar.
- Application Note: The alarm circuit is not intended for precharging of capacitive circuits. Alarm circuit current 1A maximum.

Data Sheet: 5021



# Fused Disconnect Switches



## 15100 Fused Disconnect System

For use with Telpower® Fuses Type TPL.

**Ampere Ratings:** 70-800A.

**Voltage Rating:** 60Vdc

**UL Withstand Rating:** 100,000A

**Agency Information:**

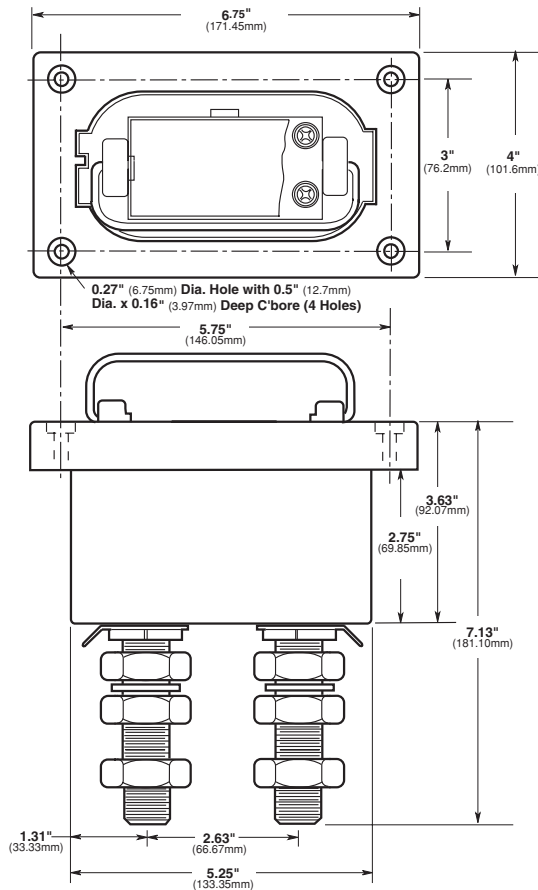
UL Recognized, Guide QPQY2, File E97649

**Catalog Numbers**

15100-401	For Use With TPL series fuses	70-400A
15100-601	For Use With TPL series fuses	300-800A

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.

### Dimensional Data 15100-401



Data Sheet: 5003



## 15200 Fused Disconnect System

For use with Telpower® Fuses Type TPL.

**Ampere Ratings:** 70-800A

**Voltage Rating:** 60Vdc

**UL Withstand Rating:** 100,000A

**Agency Information:**

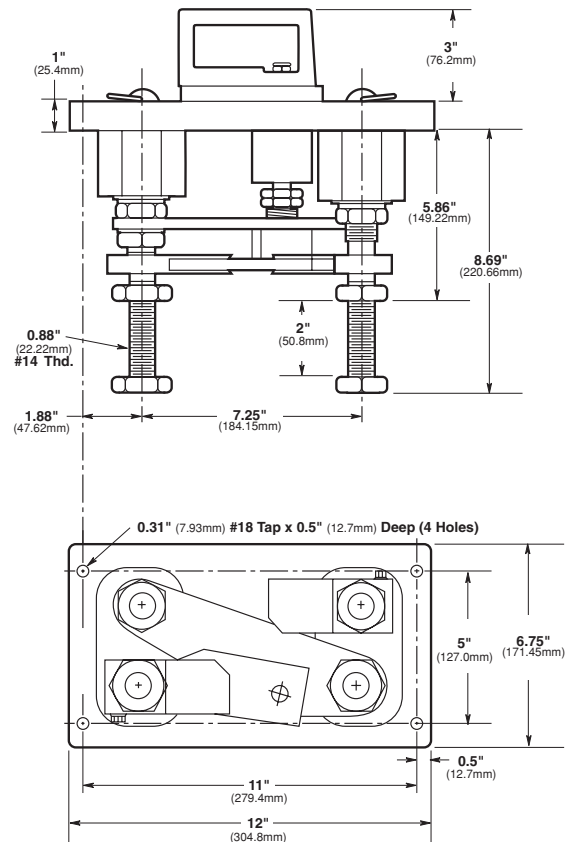
UL Recognized, Guide QPQY2, File E97649

**Catalog Numbers**

15200-602	For Use With TPL 70 to 800A
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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.

### Dimensional Data 15200-602



Data Sheet: 5004



For complete specification data, call Bussmann Information Fax ~ 636.527.1450

# Telpower® High Current Switch



TPHCS800-MAV (shown)

## TPHCS

### Telpower® High Current Switch

For use with Telpower® Fuses Type TPL-B, TPL-C and TPH.

**Ampere Ratings:** 70 to 800A

**Voltage Rating:** 80Vdc

**UL Withstand Rating:** 100,000A

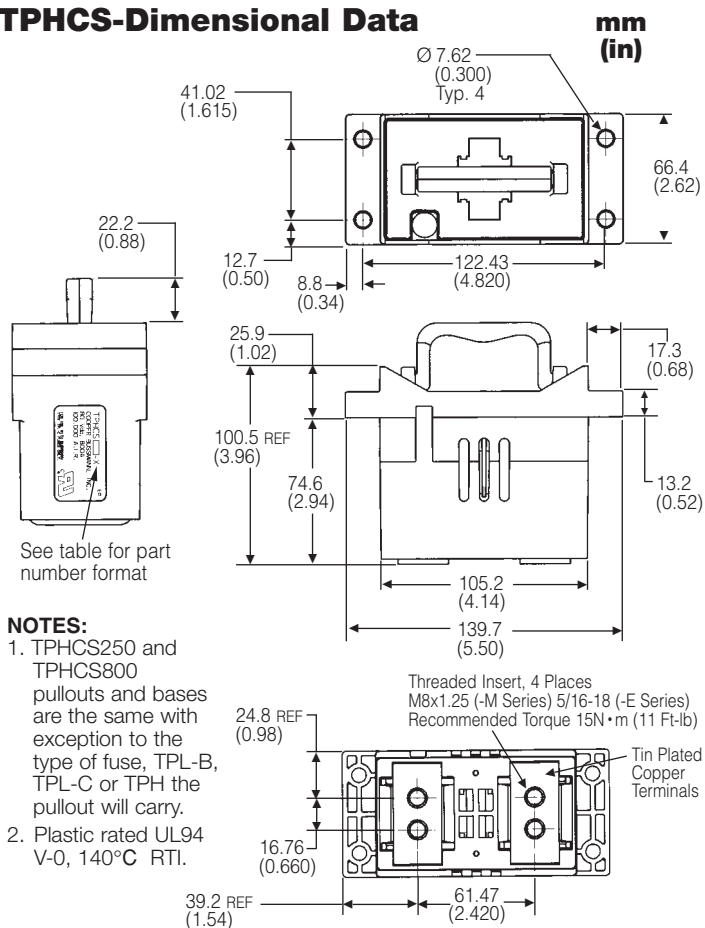
#### Agency Information:

UL Recognized (investigated to UL 1801) as a disconnect switch for the interruption of load current by means of withdrawing the fuse carrier.  
UL Recognized to meet the requirements for Canadian Standards.

#### General Information:

- Innovative new design eliminates need for tools to replace the Telpower® type TPL-B, TPL-C or TPH 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.

## TPHCS-Dimensional Data



Catalog Numbers-Switches (Pullout and Base)		Series Fuse	Ampere Rating
TPHCS250-M	High Current Switch, Metric	TPL-B	70 to 250A
TPHCS250-E	High Current Switch, English	TPL-B	70 to 250A
TPHCS250-ML	High Current Switch, Metric, LED	TPL-B	70 to 25 A
TPHCS250-EL	High Current Switch, English, LED	TPL-B	70 to 250A
TPHCS250-MAV	High Current Switch, Metric, Alarm	TPL-B	70 to 250A
TPHCS250-EAV	High Current Switch, English, Alarm	TPL-B	70 to 25 A
TPHCS800-M	High Current Switch, Metric	TPL-C or TPH	300 to 800A
TPHCS800-E	High Current Switch, English	TPL-C or TPH	300 to 800A
TPHCS800-ML	High Current Switch, Metric, LED	TPL-C or TPH	300 to 800A
TPHCS800-EL	High Current Switch, English, LED	TPL-C or TPH	300 to 800A
TPHCS800-MAV	High Current Switch, Metric, Alarm	TPL-C or TPH	300 to 800A
TPHCS800-EAV	High Current Switch, English, Alarm	TPL-C or TPH	300 to 800A

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

Data Sheet: 5020





# Telpower® Fuses, 70-600 Amps, 170 Volts DC



## TPL

### DC Power Distribution Fuses

**Ampere Ratings:** 70-800A

**Voltage Rating:** 170Vdc

**Current Limiting**

**Interrupting Rating:** 100,000A

**Construction:** Silver-Plated Terminals

**Agency Information:**

UL Recognized Guide JFHR2, File E56412  
Bellcore

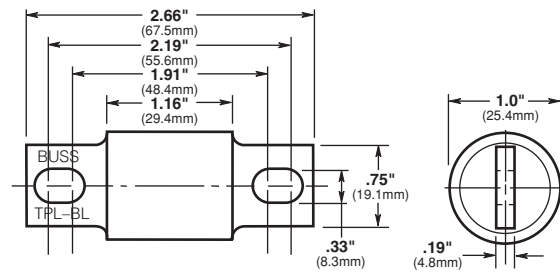
CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to BIF document #8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

### Ordering Information: TPL Telpower® (170Vdc)

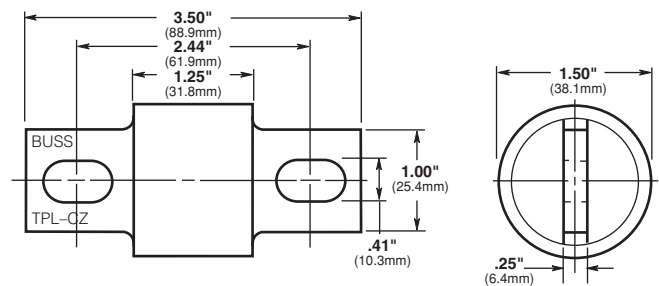
Catalog Number	Ampere Rating	Carton Qty.	Weight*	
			Lbs.	Kg.
TPL-BA	70	5	.93	.42
TPL-BB	80	5	.93	.42
TPL-BC	90	5	.93	.42
TPL-BD	100	5	.93	.42
TPL-BE	125	5	.93	.42
TPL-BF	150	5	.93	.42
TPL-BG	175	5	.93	.42
TPL-BH	200	5	.93	.42
TPL-BK	225	5	.93	.42
TPL-BL	250	5	.93	.42
TPL-CN	300	1	.49	.22
TPL-CO	350	1	.49	.22
TPL-CR	400	1	.49	.22
TPL-CU	450	1	.49	.22
TPL-CV	500	1	.49	.22
TPL-CZ	600	1	.49	.22
TPL-CZH	800	1	.49	.22

\*Weight per carton.

### Dimensional Data



TPL-BA, TPL-BD, TPL-BE, TPL-BH, TPL-BK, AND TPL-BL



TPL-CN, TPL-CR, TPL-CV, AND TPL-CZ

- Designed for DC power distribution systems.
- Recognized branch circuit protection.
- Current-limiting capability.
- Complete system coordination capability.
- Energy savings with low watts loss, low operating temperatures, and minimum I<sup>2</sup>t levels.
- Use with Telpower **15100**, **15200**, **TP158HC** and **TPHCS** disconnect systems.
- For replacement of Bussmann's UBO fuses a TPL-TA adaptor kit is necessary.
- Spare fuseholders:  
TPSFH-LB (for TPL-B fuses)  
TPSFH-LC (for TPL-C fuses)



For complete specification data, call Bussmann Information Fax ~ 636.527.1450

Data Sheet: 5005

# Telpower® Fuses, 1-600 Amps, 170 Volts DC



## TPN

**Current Limiting  
DC Power Distribution Fuses**

**Ampere Ratings:** 1-600A

**Voltage Rating:** 170Vdc

**Interrupting Rating:** 100,000A

**Construction:** Silver-Plated Terminals

**Agency Information:**

UL Recognized, Guide JFHR2, File E56412

### Catalog Numbers

TPN-1	TPN-45	TPN-200
TPN-3	TPN-50	TPN-225
TPN-5	TPN-60	TPN-250
TPN-6	TPN-70	TPN-300
TPN-10	TPN-80	TPN-350
TPN-15	TPN-90	TPN-400
TPN-20	TPN-100	TPN-450
TPN-25	TPN-110	TPN-500
TPN-30	TPN-125	TPN-600
TPN-35	TPN-150	
TPN-40	TPN-175	

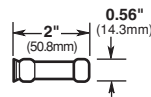
### Carton Quantity and Weight TPN Telpower (170Vdc)

Catalog Number	Carton Qty.	Weight*	
		Lbs.	Kg.
1-30	10	0.45	0.204
35-60	10	1.82	0.824
70-100	5	1.85	0.838
110-200	1	1.05	0.476
225-400	1	2.38	1.078
450-600	1	3.50	1.587

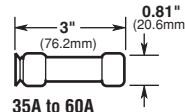
\*Weight per carton.

- Designed for DC power distribution systems.
- The TPN series of fuses are dimensionally similar to Class R fuses.
- Recognized branch circuit protection.
- Current-limiting capability.

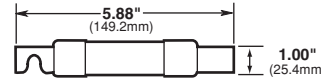
Data Sheet: 5006



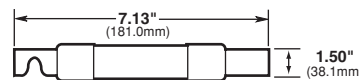
1A to 30A



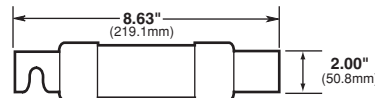
35A to 60A



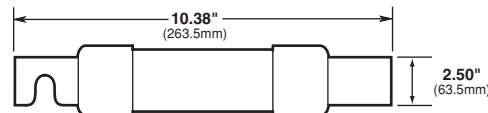
70A to 100A



110A to 200A



225A to 400A



450A to 600A

### Recommended Class R Fuseblocks

Amps	Poles	Catalog Number
1 to 30	1	R25030-1CR
	2	R25030-2CR
	3	R25030-3CR
35 to 60	1	R25060-1CR
	2	R25060-2CR
	3	R25060-3CR
70 to 100	1	R25100-1CR
	2	R25100-2CR
	3	R25100-3CR
110 to 200	1	R25200-1CR
	3	R25200-3CR
225 to 400	1	R25400-1CR
450 to 600	1	R25600-1CR

- Complete system coordination capability.
- Energy savings with low watts loss, low operating temperatures, and minimum I<sup>2</sup>t levels.
- Spare fuseholders:  
TPSFH-N30 (for TPN 1-30)  
TPSFH-N60 (for TPN 35-60)



# Indicating Fuse & Holder



## 70 Series

### Indicating Type Fuse

**Voltage Rating:** 125Vac; 300Vdc

### Agency Information:

UL Recognized, Guide JDYX2, File E19180  
Bellcore

### 70 Series Telpower (125Vac, 300Vdc)

Catalog Number	Ampere Rating	Voltage Rating AC	Voltage Rating DC	Color Code	Lucent Comcode Ref. No.	Code/ List No.
70P- $\frac{1}{10}$ A*	$\frac{1}{10}$	125V	300V	Gray/Wh	100203413	KS23751-L10
70R- $\frac{1}{100}$ A*	$\frac{1}{100}$	125V	300V	Red/Wh	101384550	KS23751-L11
70E- $\frac{1}{100}$ A*	$\frac{1}{100}$	125V	300V	Yellow	100203363	KS23751-L5
70X- $\frac{2}{10}$ A	$\frac{2}{10}$	125V	300V	Black	—	—
70F- $\frac{1}{4}$ A*	$\frac{1}{4}$	125V	300V	Violet	100203371	KS23751-L6
70K- $\frac{1}{4}$ A*	$\frac{1}{4}$	125V	300V	Violet/Wh	100203405	KS23751-L9
70G- $\frac{1}{2}$ A*	$\frac{1}{2}$	125V	300V	Red	100203389	KS23751-L7
70H- $\frac{3}{4}$ A*	$\frac{3}{4}$	125V	300V	Brown	100203397	KS23751-L8
70I-1A	1	125V	300V	Pink	—	—
70A-1- $\frac{1}{2}$ A*	1 $\frac{1}{2}$	125V	300V	White	100203322	KS23751-L1
70B-2A*	2	125V	300V	Orange	100203330	KS23751-L2
70C-3A*	3	125V	300V	Blue	100203348	KS23751-L3
70J-3 $\frac{1}{2}$ A	3 $\frac{1}{2}$	125V	300V	Black/Wh	—	—
70D-5A*	5	125V	300V	Grrn/Blk	100203355	KS23751-L4
70L-6A	6	125V	300V	Grrn/Wh	—	—
70M-8A	8	125V	300V	Brown/Wh	—	—
70N-10A	10	125V	300V	Violet/Yel	—	—
GKB-10A	10	125V	300V	Violet/Yel	—	—
72A Plastic Case	Dummy	—	—	—	100203421	—
72B Blister Pack	Dummy	—	—	—	103757977	—

\*Product designed to comply with Bellcore Technical Reference TR-TSY-000799 Issue 1, December 1988.

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.

## 15087 Fuseholder

### For 70 Series Fuses

**Ampere Ratings:** 12A

**Voltage Rating:** 300Vdc

### Agency Information:

UL Recognized, Guide IZLT2, File E14853

### Construction:

**Body:** Thermoplastic, UL 94VO flammability rating

**Terminals:** Copper alloy, tin plating

**Screws:** 3-24 x  $\frac{3}{8}$ " steel, zinc plated

- Panel mount fuseholder for 70 Type fuses supplied with two screws.
- Remote alarm capability.

### Optional Color Code Eyelets (order separately)

Catalog Symbol	Amp Rating Ref.	Color Code	Catalog Symbol	Amp Rating Ref.	Color Code
1A1706-01	$\frac{1}{100}$	Yellow	1A1706-10	3	Blue
1A1706-02	$\frac{2}{10}$	Black	1A1706-11	5	Green/Black
1A1706-03	$\frac{1}{4}$	Violet	1A1706-12	6	Green/White
1A1706-04	$\frac{1}{4}$	Violet/White	1A1706-13	8	Brown/White
1A1706-05	$\frac{1}{2}$	Red	1A1706-14	10	Violet/Yellow
1A1706-06	$\frac{3}{4}$	Brown	1A1706-15	$\frac{1}{10}$	Gray/White
1A1706-07	1	Pink	1A1706-16	3 $\frac{1}{2}$	Black/White
1A1706-08	1 $\frac{1}{2}$	White	1A1706-17	$\frac{1}{100}$	Red/White
1A1706-09	2	Orange	—	—	—

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.



Data Sheet: 5007

Data Sheet: 5007

For complete specification data, call Bussmann Information Fax ~ 636.527.1450

185

# Indicating Fuses & Holders



GMT - Dummy



GMT - A (Alarm)

## GMT

### Fast Acting Fuses

**Voltage Rating:** 60Vdc; 125Vac

**Interrupting Rating:** 450A, 60Vdc;  
300A, 125Vac

### Agency Information:

UL Recognized, Guide JFHR2, File E56412

### Materials:

**Body:** Thermoplastic, UL 94VO flammability rating

**Terminals:** Tin-plated Beryllium copper

**Carton Qty. and Weight:** 100 Fuses per carton;  
0.33 lbs. (150g)

**Fuseholders:** Catalog No. HLT, HLS, and PCT

**Spare Fuseholder:** TPSFH-T

### Catalog Numbers

Catalog Symbol	Color Code	Catalog Symbol	Color Code
GMT- $\frac{1}{100}$ A	Yellow	GMT-3A	Blue
GMT- $\frac{1}{4}$ A	Violet	GMT-3 $\frac{1}{2}$ A	White/Blue
GMT- $\frac{3}{8}$ A	White/Gray	GMT-4A	White/Brown
GMT- $\frac{1}{2}$ A	Red	GMT-5A	Green
GMT- $\frac{69}{100}$ A	Black	GMT-7 $\frac{1}{2}$ A	Black/White
GMT- $\frac{3}{4}$ A	Brown	GMT-10A	Red/White
GMT-1A	Gray	GMT-12A	Yellow/Green
GMT-1 $\frac{1}{3}$ A	White	GMT-15A	Red/Blue
GMT-1 $\frac{1}{2}$ A	White/Yellow	GMT-Dummy	Gray Body
GMT-2A	Orange	GMT-X	Clear Cover

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.

Some GMT sizes may be sold in bulk pack only.

## GMT-A

- The GMT-A is designed specifically for use in the Telpower® series 15800 Fused Disconnect Switch (page 177).
- The GMT-A has the same ratings and agency approvals as the standard GMT fuses as shown above.

Catalog Symbol	Color Code
GMT-A	Yellow

Data Sheet: 5008

## HLS, HLT, PCT

### Fuseholders for GMT Type Indicating Fuses

**Voltage Rating:** 60Vdc; 125Vac

### Agency Information:

UL Recognized, Guide IZLT2, File E14853, 15A (60Vdc)

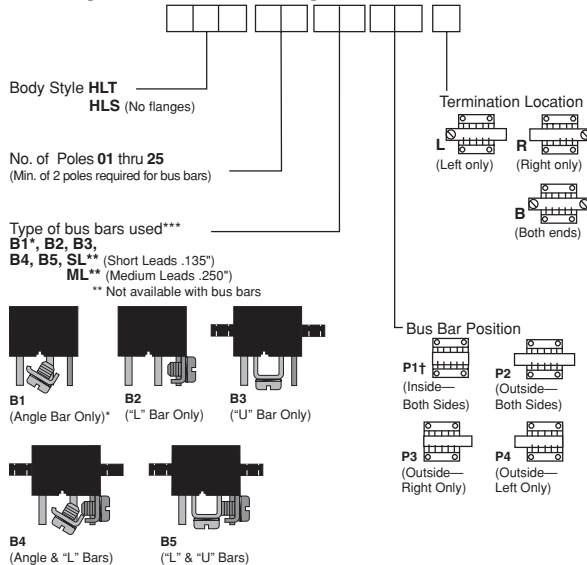
### Materials:

**Body:** Thermoplastic, UL 94VO flammability rating

**Terminals:** Tin-plated copper

### Multiple Fuseholders with bus bars

#### Ordering Information— Catalog No.



\*Angle Bar mounts on common or center terminals only.

\*\*SL Version is not available with bus bars.

†Minimum of 4 Poles Required.

\*\*\*.38 max. leads if not specified.

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.

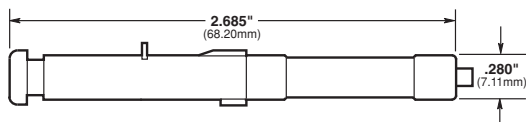
Data Sheet: 5010



# Telpower® Specialty Fuses



### Dimensional Data



## 81 Type

**Description:** Cylindrical, fast acting, non-indicating high current companion to the 80 Type. UL Recognized, Guide JDYX2, File E19180.

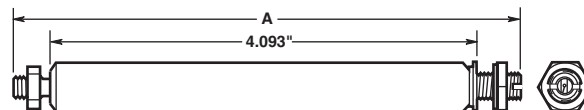
### Catalog Data

Catalog Symbol	Ampere Rating	Voltage ac	Rating dc	Color Code	Lucent Comcode Ref. No.	Code/ List No.
81B-7½	7.5	250V	65V	Gray	103828141	KS23824-L12
81A-10	10	250V	65V	Yellow	103752176	KS23824-L11
81C-12	12	250V	65V	Lt Blue	104391842	KS23824-L13

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.



### Dimensional Data



## 7 Type

**Description:** Fiber tube, threaded ends. Typically used on wall type main distribution frames and central battery substations.

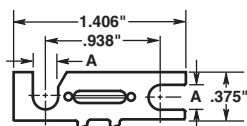
### Catalog Data

Catalog Symbol	Ampere Rating	Lucent Comcode Ref. No.	Dimension A Length
<b>7 Type</b>			
7A-7	7	100863737	4.562
7T-7	7	100202753	4.828

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.



### Dimensional Data



## 24 and WER Type

**Description:** Flat, nonindicating visible link element mounted on 1 inch centers using either No. 6 or No. 10 screws.

### Catalog Data

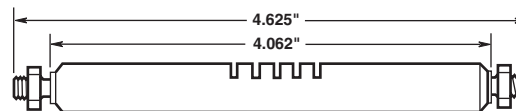
Catalog Symbol	Ampere Rating	dc Volt.	Color Code	Lucent Comcode Ref. No.	Dimension A Length
WER-¼	¼	32V	—	—	—
24E-½*	½	60V	Red	100202894	.200
24D-¾*	¾	60V	Black	100202886	.150
WER-1	1	32V	—	—	—
24G-1⅓*	1⅓	60V	White	100202910	.200
24C-2*	2	60V	Orange	100202878	.200
24B-3*	3	60V	Blue	100202852	.150
WER-3½	3½	32V	—	—	—
24B-4*	4	60V	Yellow	100202860	.150
24F-5*	5	60V	Green	100202902	.150
WER-8	8	32V	—	—	—
WER-10	10	32V	—	—	—
64A-Dummy	—	—	—	100203280	—

\*Designed to comply with Bellcore Technical Reference TR-TSY-000799 Issue 1, Dec. 1988.

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.



### Dimensional Data



## 11 Type

**Description:** Fiber tube, threaded ends, identical to 7 Type except for vent slots in fiber tube.

### Catalog Data

Catalog Symbol	Ampere Rating	Lucent Comcode Ref. No.	Dimension A Length
<b>11 Type</b>			
11C-7	7	100863745	—

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.

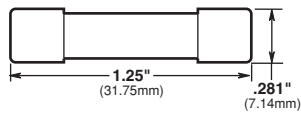


For complete specification data, call Bussmann Information Fax - 636.527.1450

# Telpower® Specialty Fuses



### Dimensional Data



## 74 Type

**Description:** .281" × 1.25" cylindrical fuse, fast acting. Designed to comply with Lucent specification KS23753. High current companion to 70 Type Fuse.

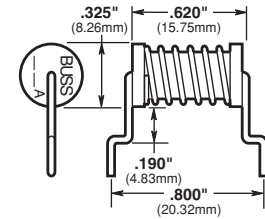
### Catalog Data

Catalog Symbol	Ampere Rating	Voltage Rating DC	Lucent Comcode Ref. No.	Code/ List No.
74A-1¼	1¼	60V	102630290	KS23753-L1
74G-2	2	60V	103064952	KS23753-L7
74B-3	3	60V	102630308	KS23753-L2
74H-4	4	60V	103264669	KS23753-L8
74C-5	5	60V	102630316	KS23753-L3
74J-7½	7½	60V	103228425	KS23753-L9
74D-10	10	60V	102630324	KS23753-L4
74E-15	15	60V	102630332	KS23753-L5
74F-20	20	60V	102630340	KS23753-L6

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.



### Dimensional Data



## 75 Type

**Description:** Cylindrical with leads, designed to provide protection against currents resulting from the application of foreign voltages. Application for data sets and telephones.

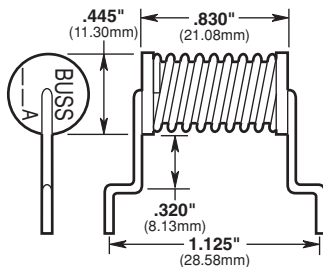
### Catalog Data

Catalog Symbol	Ampere Rating	Voltage Rating AC	Voltage Rating DC	Lucent Comcode Ref. No.	Code/ List No.
75C	.007	135V	440V	103260816	KS23825-L3
75F	.063	135V	220V	104172861	KS23825-L6
75B	.115	135V	220V	102732112	KS23825-L2
75D	.129	135V	220V	104013180	KS23825-L4
75A	.200	135V	220V	102660008	KS23825-L1
75E	.230	135V	220V	104015292	KS23825-L5

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.



### Dimensional Data



## 76 Type

**Description:** Cylindrical with leads, designed to provide protection against currents resulting from the application of foreign voltages. Application for data sets and telephones.

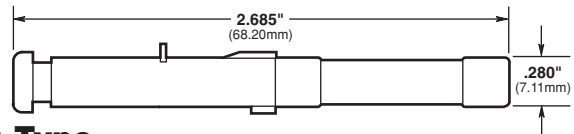
### Catalog Data

Catalog Symbol	Ampere Rating	Voltage Rating AC	Voltage Rating DC	Lucent Comcode Ref. No.	Code/ List No.
76D	.012	135V	440V	103798245	KS23825-L10
76B	.191	135V	440V	102965688	KS23825-L8
76A	.231	135V	440V	102810181	KS23825-L7
76C	.412	135V	440V	103656625	KS23825-L9

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.



### Dimensional Data



## 80 Type

**Description:** A fuse designed for high reliability applications where high ambient temperatures, low circuit voltages, low power dissipation and low contact resistance are prime considerations. The 80 Type is a visual indicating fuse with remote electrical alarm capability. UL Recognized, Guide JDYX2, File E19180.

### Catalog Data

Catalog Symbol	Ampere Rating	Voltage Rating AC	Voltage Rating DC	Color Code	Lucent Comcode Ref. No.	Code/ List No.
80G-½	.50	250V	—	Red	103839916	KS23824-L6
80M-1⅓	1.33	250V	—	White	408078657	KS23824-L8
80B-2	2	250V	—	Orange	103752150	KS23824-L2
80C-3	3	250V	—	Blue	103752168	KS23824-L3
80D-5	5	250V	—	Green	103800637	KS23824-L4

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.



**Pg 189**  
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