

# USCC & USM UltraSafe™ Fuseholders

## UltraSafe modular fuse holders for midget and class CC fuses

Mersen UltraSafe Modular Fuse Holders introduce a new level of safety for Class CC (USCC) and Midget 1-1/2" x 13/32" (USM) AC and DC-rated fuses up to 30 amperes. UltraSafe holders qualify as "Finger-safe" under IEC and DIN standards to an IP20 grade of protection, including fuse changing (with the flick of a finger). UltraSafe holders are available in 1, 2, 3 or 4 poles, with or without visual blown-fuse indicators in each pole. Multi-pole units can also be field assembled by ordering pin-tie handles.

UltraSafe holders save up to 15% mounting space and any combination can be snapped onto 35mm DIN-rail for extra savings in panel building time. UltraSafe holders with Class CC fuses chosen for Type "2" No Damage protection give one of the safest protection packages in the industry. UltraSafe body material is tough and durable polyamide, with exceptional insulating properties.

### Highlights:

- IP20 Finger-Safe (touch safe)
- Optional visual blown fuse Indicator lights
- DIN-rail mounting
- Compact footprint
- Quick, tool-free, easy fuse change outs

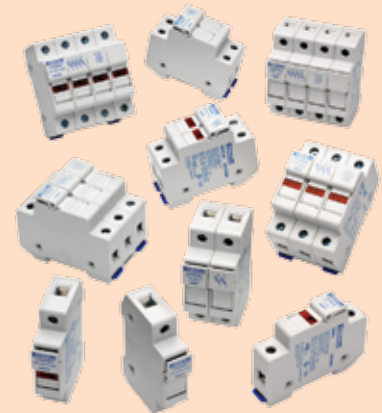
### Applications:

- All circuits up to 600 volts for motors, control circuits, transformers, etc...
- DC circuits up to 1000VDC including photovoltaic applications
- Non-load disconnect

### Recommended Fuse Usage:

- USM use with:  
ATQ, ATM\*, A6Y-2B, A25Z-2, TRM, OTM, A13X-2, A60Q-2, DCT\*, HP6M, HP10M
- USCC use with:  
ATDR, ATMR\*, ATQR

\* Recommended for DC applications



### Ratings:

#### USM (Midget 10x38mm Fuses)

**Volts** : 800VAC Maximum  
: 1000VDC Maximum

**Amps** : 30A Maximum

**SCCR** : 100kA

#### USCC (Class CC Fuses)

**Volts** : 600VAC / DC Maximum

**Amps** : 30A Maximum

**SCCR** : 200kA

*Min. voltage to operate indicator light: 90VAC, 115VDC [Less than 0.7 mA leakage current at 600V]*

### Approvals:

#### USM (Midget 10x38mm Fuses)

- UL Recognized Component, guide IZLT2, File E52283
- CSA Certified C22.2, class 6225 File 32169 (750VAC, 30A)
- IEC Compliant (690VAC, 32A)

#### USCC (Class CC Fuses)

- UL Listed, guide IZLT, File E52283
- CSA Certified C22.2, class 6225 File 32169 (600VAC, 30A)



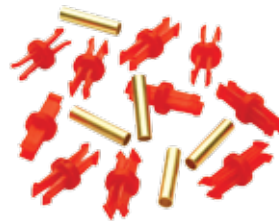
# USCC & USM UltraSafe™ Fuseholders

## Catalog Numbers and Descriptions:

| Catalog No. W/O Indicator  | Catalog No. w/ Indicator | Description                               | Fuse Type                                  | Voltage Rating |        | Ampere Rating | No. of Poles | Certifications                                  |    |   |
|----------------------------|--------------------------|---|--|----------------|--------|---------------|--------------|---|----|---|
|                            |                          |   |  | AC             | DC     |               |              |   |    |   |
| USCC1                      | USCC1I                   | 1-Pole Class CC UltraSafe Fuse Holder     | Class CC                                   | 600V           | 600V   | 30A           | 1            | UL Listed<br>CSA Certified                      |    |   |
| USCC2                      | USCC2I                   | 2-Pole Class CC UltraSafe Fuse Holder     |  |                |        |               | 2            |   |    |   |
| USCC3                      | USCC3I                   | 3-Pole Class CC UltraSafe Fuse Holder     |  |                |        |               | 3            |   |    |   |
| USCC4                      | USCC4I                   | 4-Pole Class CC UltraSafe Fuse Holder     |  |                |        |               | 4            |   |    |   |
| USCC3N                     | USCC3IN                  | 3-Pole + N Class CC UltraSafe Fuse Holder |  |                |        |               | 4            |   |    |   |
| Special Indicator Versions | USCC1I-AC120             | USCC1I with 120VAC indicator              |  |                |        |               | 120          |   | -  | 1 |
|                            | USCC1I-AC300             | USCC1I with 300VAC indicator              |  |                |        |               | 300          |   | -  | 1 |
|                            | USCC1I-DC24              | USCC1I with 24VDC indicator               | -  | 24             | 1      |               |              |   |    |   |
| USM1                       | USM1I                    | 1-Pole Midget UltraSafe Fuse Holder       | Midget<br>(10 x 38mm)<br>(1-1/2" x 13/32") | 800V*          | 1000V* | 30A           | 1            | UL Recognized<br>CSA Certified<br>IEC Certified |    |   |
| USM2                       | USM2I                    | 2-Pole Midget UltraSafe Fuse Holder       |  |                |        |               | 2            |   |    |   |
| USM3                       | USM3I                    | 3-Pole Midget UltraSafe Fuse Holder       |  |                |        |               | 3            |   |    |   |
| USM4                       | USM4I                    | 4-Pole Midget UltraSafe Fuse Holder       |  |                |        |               | 4            |   |    |   |
| USM3N                      | USM3IN                   | 3-Pole + N Midget UltraSafe Fuse Holder   |  |                |        |               | 4            |   |    |   |
| Special Indicator Versions | USM1I-AC120              | USM1I with 120VAC indicator               |  |                |        |               | 120          |   | -  | 1 |
|                            | USM1I-DC24               | USM1I with 24VDC indicator                |  |                |        |               | -            |   | 24 | 1 |
|                            | USM1I-DC1000             | USM1I with 1000VDC indicator              | -  | 1000           | 1      |               |              |   |    |   |

\* Catalog Numbers with Indicators are rated 600VAC / 600VDC unless otherwise noted.

| Accessories Catalog No. | Description                              |
|-------------------------|--|
| USN                     | 1-Pole with Integral Neutral Link        |
| USPTH                   | Pin-tie Accessory for 12-Poles           |
| US12PJMP                | 12-pole Jumper Bar                       |
| TBB1A                   | 1-Phase Input Power Terminal             |
| TBB1C                   | 1-Phase Input Power Terminal Right Angle |



USPTH Pin-Tie Accessory



USM1 with USPTH Pin-Ties

## Additional Specifications:

**Terminal screws:** Phillips/slot head

**Suggested screw torque:** 14.75 in-lbs.

**Connector type:** Pressure plate

**Wire range:** #6 to #14 (solid/stranded Cu)

**Load-break disconnect:** No

## Dimensions

| Dimension | mm   | In   | Dimension | mm   | In   |
|-----------|------|------|-----------|------|------|
| A         | 17.5 | 0.69 | G         | 78.0 | 3.07 |
| B         | 35.0 | 1.38 | H         | 59.0 | 2.32 |
| C         | 52.5 | 2.07 | I         | 42.5 | 1.67 |
| D         | 70.0 | 2.76 | J         | 5.0  | 0.20 |
| E         | 78.0 | 3.07 | K         | 45.0 | 1.77 |
| F         | 2.5  | 0.10 |           |      |      |

