

# USGCC & USGM UltraSafe™ Fuseholders

## Innovative UltraSafe class CC and midget fuseholders with screw-less, spring pressure, wire termination technology.

Mersen's new USGCC & USGM series fuseholders deliver the ultimate ease-of-use, time (labor) saving and reliable solution available in the marketplace. Mersen is the first manufacturer to offer screw-less, spring pressure, wire termination technology into a power fuseholder, delivering the best of both technologies to its customers. Now you can experience the combined benefits of safety, ease-of-use, labor savings and reliability of UltraSafe fuseholders and spring pressure technology.

### Highlights:

- Equipped with industry proven, patented WAGO CAGE CLAMP® technology (over 25 years of field experience and acceptance)
- Reduce wire installation time by up to 75%
- Highly reliable, maintenance free wire contact
- Secure, vibration proof, corrosion resistant, temperature cycling resistant, cost saving wire connection
- Quick, tool-free, easy fuse change-outs
- IP20 finger-safe protection
- Option visual blown fuse indicator
- DIN-rail mounting
- Compact footprint
- Environmentally conscious, RoHS compliant and lead free

### Additional Specifications:

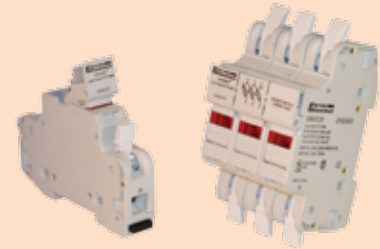
- Screw-less, spring pressure terminals: WAGO CAGE CLAMP®
- Wire Range : #14 to 6 AWG (2.5 to 16mm<sup>2</sup>) Single Conductor  
: #14 to 10 AWG (2.5 to 5.0 mm<sup>2</sup>) Dual Conductor
- Wire Type : 60/75/90°C Solid/Stranded Copper  
: Can be used with wire ferrules
- Wire Strip Length: 12-13 mm (0.49 in)
- Load-Break Disconnect: No
- Environmental: RoHS compliant, Lead Free
- Operating Temperature: -40 to +85°C
- Watts Loss: 3W or less
- Flammability Rating: UL 94-V0
- Optional Blown Fuse Indicator Lens Color: Red

### Applications:

- All circuits up to 750VAC / 1000VDC for power control, power distribution and power electronics
- Non-load disconnect

### Recommended Fuse Usage:

- **USGM** use with Midget Fuses: ATQ, ATM, TRM, OTM, A60Q-2, DCT-2
- **USGCC** use with Class CC Fuses: ATDR, ATQR, ATMR
- **USGM-HEL** use with **Photovoltaic Fuses: HP6M, HP10M**



### Ratings:

#### USGM (Midget 10x38mm Fuses)

**Volts** : 750VAC maximum  
: 1000VDC maximum

**Amps** : 30A maximum

**SCCR** : 200kA AC  
: 100kA DC

#### USGCC (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]*

*USGM1IHEL minimum indicator operating voltage: 350VDC*

### Approvals:

- UL Listed to Standard 4248-4 (Class CC) and 4248-1 (Midget), File E52283
- UL Listed to Standard 4248-18 (Photovoltaic), File E347822
- CSA Certified C22.2
- IEC Compliant (USGM only)



**MERSEN**

# USGCC & USGM UltraSafe™ Fuseholders

## Catalog Numbers

Fuse Type	Ampere Rating	Voltage Rating		Visual Indication	No. of Poles	Catalog Number
		AC	DC			
Class CC	30	600	600	No	1	USGCC1
	30	600	600	No	2	USGCC2
	30	600	600	No	3	USGCC3
	30	600	600	No	4	USGCC4
	30	600	600	No	3 + N	USGCC3N
	30	600	600	Yes	1	USGCC1I
	30	600	600	Yes	2	USGCC2I
	30	600	600	Yes	3	USGCC3I
	30	600	600	Yes	4	USGCC4I
	30	600	600	Yes	3 + N	USGCC3IN
	30	-	24	Yes	1	USGCC1I-DC24
Midget (10 x 38mm) (1-1/2" x 13/32")	30	750	1000	No	1	USGM1
	30	750	1000	No	2	USGM2
	30	750	1000	No	3	USGM3
	30	750	1000	No	4	USGM4
	30	750	1000	No	3 + N	USGM3N
	30	600	600	Yes	1	USGM1I
	30	600	600	Yes	2	USGM2I
	30	600	600	Yes	3	USGM3I
	30	600	600	Yes	4	USGM4I
	30	600	600	Yes	3 + N	USGM3IN
	30	-	24	Yes	1	USGM1I-DC24
Photovoltaic	32	-	1000	No	1	USGM1HEL
Midget	32	-	1000	Yes	1	USGM1IHEL



**ROYAL ELECTRIC SUPPLY COMPANY**

3233 W Hunting Park Avenue, Philadelphia PA 19132-1845  
 (800) 79-ROYAL (215) 221-1200 fax (215) 221-1201  
 advisors@royalelectric.com www.royalelectric.com

**WE GET IT**  
 24/7 Emergency Material Access

\* USCMA required for use with USCM0 and USCM1



Continuous marking strip and adaptors



WMB Marker System

## Dimensions

