

# USGCC & USGM

UltraSafe™ Fuse Holders

## FUSE BLOCKS & HOLDERS

INNOVATIVE ULTRASAFE CLASS CC AND MIDGET FUSE HOLDERS WITH SCREW-LESS, SPRING PRESSURE, WIRE TERMINATION TECHNOLOGY



Mersen's USGCC & USGM series fuse holders 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 fuse holder, 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 fuse holders 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

### 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*

### APPLICATIONS:

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

### 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)



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

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	
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 Midget	32	-	1000	No	1	USGM1HEL
		32	-	1000	Yes	1	USGM1HEL



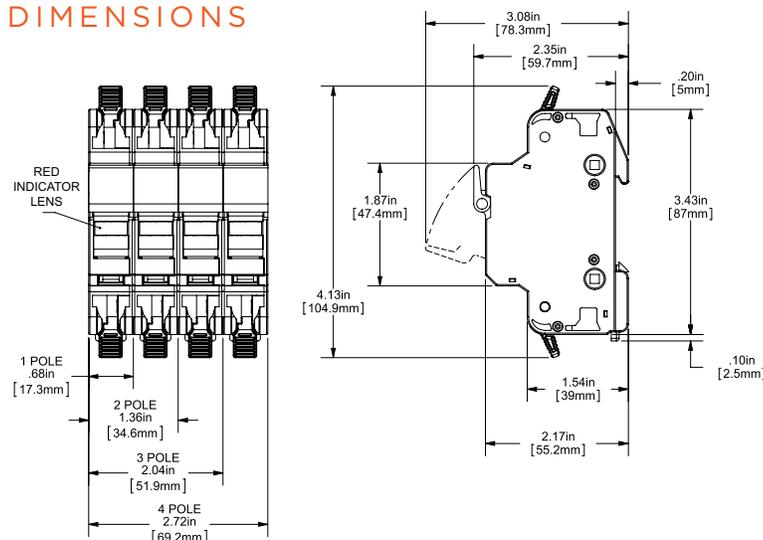
Continuous marking strip and adaptors



WMB Marker System

FB

DIMENSIONS



CATALOG NUMBERS - ACCESSORIES

Catalog No.	Description
USGN	1-Pole with Integral Neutral Link
USPTH	Pin-Tie Accessory for 12-Poles
USTP	Test Plug, 2 x 500mm (0.079 x 17.7 in), Red
USWMB0	WMB Markers, blank, 10 x 10 strips
USWMB1	WMB Markers, pre-marked 1-10, x10 strips
USCMA	Continuous Marking Strip Adapter (1 needed per pole)
USCM0*	Continuous Marking Strips, blank, 10 x 10 strips
USCM1*	Continuous Marking Strips, pre-marked 1-10, x10 strips

\* USCMA required for use with USCM0 and USCM1