

# USGM - Midget

UltraSafe™ Fuse Holders

## FUSE BLOCKS & HOLDERS

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



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Mersen's 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
- **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

*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:

#### USGM:

- UL Recognized to Standard 4248-1, File E52283
- CSA File No. 032169, Class 6225-01
- IEC 60269-2-1 and 60947-3 Compliant



#### USGM-HEL:

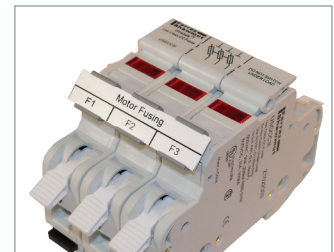
- UL Listed to Standard 4248-19 (PV), File E347822 
- CSA Component File No. 032169, Class 6225-30

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			
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	-		Yes	1	USGM1-DC24
Photovoltaic Midget	32	-	1000	No	1	USGM1HEL
	32	-	1000	Yes	1	USGM1IHEL

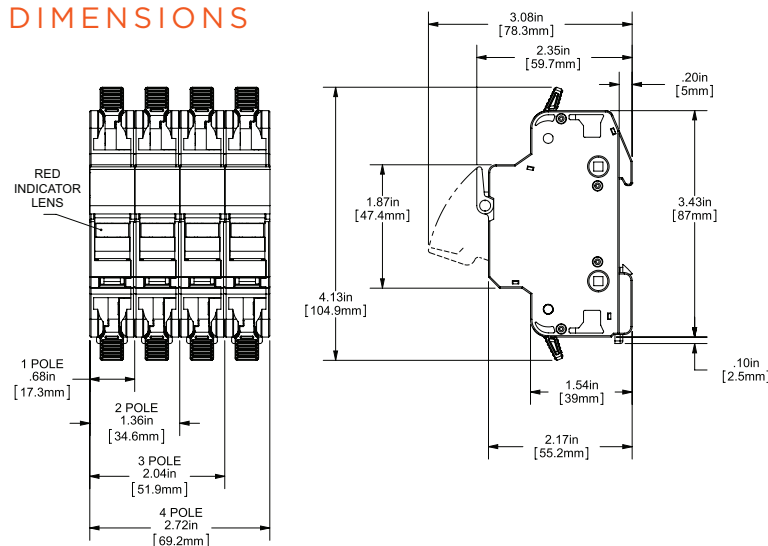


Continuous marking strip and adaptors



WMB Marker System

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 12.7 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

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