

USGCC & USGM

UltraSafe™ Fuse Holders

FUSE BLOCKS & HOLDERS

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



FB

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 16mm²) Single Conductor; #14 to 10 AWG (2.5 to 5.0 mm²) 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 AC	DC	Visual Indication	No. of Poles	Catalog Number
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	-	24	Yes	1	USGCC1I-DC24
	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
Photovoltaic Midget	32	-	1000	No	1	USGM1IHEL
	32	-	1000	Yes	1	USGM1IHEL

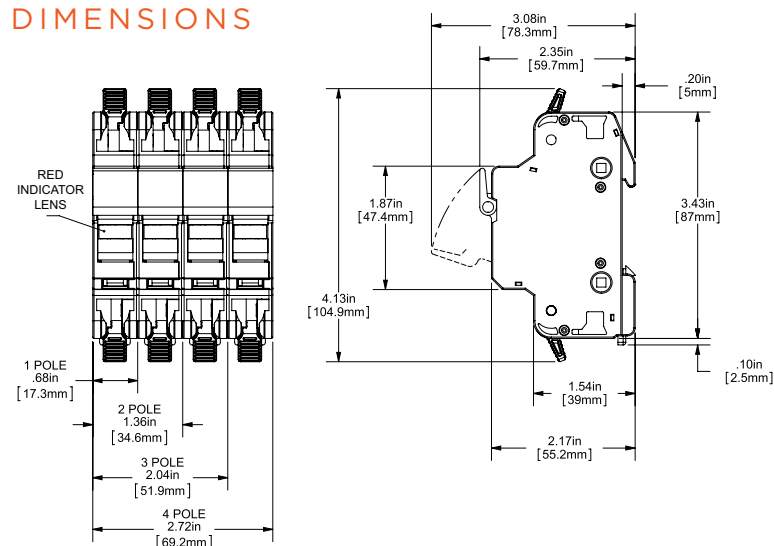


Continuous marking strip and adaptors



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 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