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

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
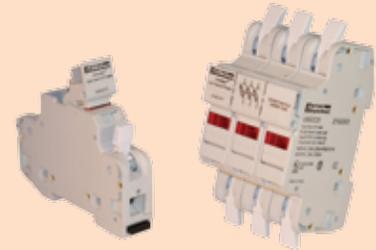- IEC Compliant (USGM only)

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

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 Midget	32	-	1000	No	1	USGM1HEL
	32	-	1000	Yes	1	USGM1IHEL

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

Continuous marking strip and adaptors

WMB Marker System

Dimensions

RED INDICATOR LENS

1 POLE .68in [17.3mm]
2 POLE 1.36in [34.6mm]
3 POLE 2.04in [51.9mm]
4 POLE 2.72in [69.2mm]

3.08in [78.3mm]
2.35in [59.7mm]
.20in [5mm]
1.87in [47.4mm]
3.43in [87mm]
4.13in [104.9mm]
1.54in [39mm]
2.17in [55.2mm]
.10in [2.5mm]