

UltraSafe™ Fuseholders

The Safety Evolution Continues

PRODUCT GUIDE



FERRAZ SHAWMUT IS NOW MERSEN

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The Revolutionary Advantages

Mersen continues to lead the safety evolution with even more improvements to our popular UltraSafe™ Fuseholders. Renowned throughout the industry for their forward-thinking design, UltraSafe Fuseholders deliver more than “finger-safe” protection, they deliver the features both installers and end users demand, including:

Enhanced Safety

Touch-safe designs prevent shock hazards and protect installers, users, and maintenance personnel.

Labor Saving flick-of-the-finger changeouts

A permanently attached, pivoting fuse door simplifies and speeds fuse extraction. No tools or accessories needed.

Simplified wire terminations

Pressure plate terminals arrive backed out and ready to wire. Just insert the wire, tighten and go. Spring terminals, found on USGM and USGCC series fuseholders offer ease-of-use, labor savings and secure connections.

Global Certifications

UL, CSA and IEC certifications appear on all products where applicable making them suitable for use around the world.

DIN-rail mounting

Integral design allows for quick and easy installations on 35mm DIN-rail.

Easy panel layout adjustments

Need to make room for another fuseholder or component? Simply unlatch the DIN-rail adapter, slide the holder to the desired position, and relock.

Totally modular

Use single or multiple poles. Or add poles in the field using a pin assembly kit to form any number of poles.

At-a-glance open-fuse indication

A long-lasting indicator light helps you identify the down circuit fast. So you can clear the problem, replace the fuse, and get back on-line fast.

Lockout/tagout compliance

US14 and US22 fuseholders provide a lockable extraction door to meet OSHA requirements and prevent personnel from accidentally energizing equipment that is off-line for repairs or maintenance.



“... they deliver the features both installers and end users demand.”



USM - USCC



US14 - US22



US3J - US6J



USGM - USGCC

Learn more about UltraSafe Fuseholders:

Phone: 978-462-6662

Web: ep-us.mersen.com

Email: info.nby@mersen.com

US and USG Series

For Midget (10x38 mm) and Class CC fuses

Mersen UltraSafe modular USM/USCC and USGM/USGCC fuseholders deliver a new level of safety and ease-of-use for Class CC and Midget fuses up to 30 amperes. Choose class CC fuses for Type "2" no-damage protection, one of the safest protection packages in the industry. Available with screw pressure plate terminals (US) or CAGE CLAMP® spring terminal technology (USG).



Recommended Fuses

- Midget Class – ATM, ATQ, TRM, OTM, DCT-2, A60Q-2, FSM, GGU, GFN, SBS
- Class CC – ATDR, ATQR, ATMR
- Photovoltaic – HP6M, HP10M



Certifications

- 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, Class 6225, File 32169
- IEC Compliant to 60269-2-1, 60947-3 (Midget only)

Fuse Type	Ampere Rating	SCCR	Voltage Rating		Visual Indication	No. of Poles	Screw Terminal Catalog Number	Spring Terminal Catalog Number
			AC	DC				
Class CC	30	200kA	600	600	No	1	USCC1	USGCC1
						2	USCC2	USGCC2
						3	USCC3	USGCC3
						4	USCC4	USGCC4
						3+N	USCC3N	USGCC3N
			600	600	Yes	1	USCC1I	USGCC1I
						2	USCC2I	USGCC2I
						3	USCC3I	USGCC3I
						4	USCC4I	USGCC4I
						3+N	USCC3IN	USGCC3IN
-	24	Yes	1	USCC1I-DC24	USGCC1I-DC24			
Midget (10 x 38mm) (1-1/2" x 13/32")	30	100kA	750	1000	No	1	USM1	USGM1
						2	USM2	USGM2
						3	USM3	USGM3
						4	USM4	USGM4
						3+N	USM3N	USGM3N
			600	600	Yes	1	USM1I	USGM1I
						2	USM2I	USGM2I
						3	USM3I	USGM3I
						4	USM4I	USGM4I
						3+N	USM3IN	USGM3IN
-	24	Yes	1	USM1I-DC24	USGM1I-DC24			
Photovoltaic Midget	32	100kA	-	1000	No	1	USM1HEL	USGM1HEL
					Yes		USM1IHEL	USGM1IHEL

US3J and US6J Series

For 30A and 60A Class J fuses

Mersen UltraSafe modular US3J and US6J fuseholders deliver a new level of safety and ease-of-use for class J fuses up to 60 amperes. The US3J accommodates 30A class J or IEC cylindrical 22x58 mm fuses. The US6J accommodates 60A class J or IEC cylindrical 27x60 mm fuses.



Recommended Fuses

- Class J – AJT, A4J, HSJ

Certifications

- UL Listed to standard 4248-8, File E52283
- CSA Certified C22.2, Class 6225, File 32169
- IEC Compliant to 60269-2-1, 60947-3



Fuse Type	Ampere Rating	SCCR	Voltage Rating		Visual Indication	No. of Poles	Catalog Number
			AC	DC			
Class J	30	200kA	600	600	No	1	US3J1
						2	US3J2
						3	US3J3
						N	US3JN
					Yes	1	US3J1I
						2	US3J2I
	60	200kA	600	600	No	1	US6J1
						2	US6J2
						3	US6J3
						N	US6JN
					Yes	1	US6J1I
						2	US6J2I
					3	US6J3I	

UltraSafe fuseholders deliver enhanced safety, labor savings, and ease of use



US14, US22 and US27 Series

For IEC Cylindrical 14x51, 22x58, and 27x60 mm fuses

Mersen UltraSafe modular US14, US22 and US27 fuseholders deliver a new level of safety and ease-of-use for IEC cylindrical fuses. The US14, US22 and US27 accommodate 14x51mm, 22x58mm and 27x60mm IEC cylindrical fuses. These fuseholders come standard with a mechanical indicator that indicates fuse presence. If a fuse with a mechanical striker is used, the fuseholders mechanical indicator will also indicate a blown fuse. Microswitches can be supplied with the fuseholders if desired to allow for remote blown fuse indication. These fuseholders also feature padlocking capabilities.



Recommended Fuses

- 14x51 mm – A30QS, A50P, A70QS, A70P, URC, URD, gl-gG
- 22x58 mm – A15QS, A50P, A70QS, URD, gl-gG, aM
- 27x60 mm – URGD, URB, URS, URQ, gRB, aM

Certifications

- UL Recognized Component to standard 4248-1, File E52283
- CSA Certified C22.2, Class 6225, File 32169
- IEC Compliant to 60269-2-1, 60947-3



Fuse Type	Ampere Rating	SCCR	Voltage Rating		Visual Indication	No. of Poles	Catalog Number	Catalog Number w / Microswitch	Catalog Number w / 2 Microswitch
			AC	DC					
14x51mm	50	200kA	750	750	No	1	US141	US141M	-
						2	US142	US142M	-
						3	US143	US143M	US143M2
						N	US141N	-	-
					Yes	1	US141I	US141MI	-
						2	US142I	US142MI	-
						3	US143I	US143MI	US143M2I
22x58mm	125	200kA	750	750	No	1	US221	US221M	-
						2	US222	US222M	-
						3	US223	US223M	US223M2
						N	US22N	-	-
					Yes	1	US221I	US221MI	-
						2	US222I	US222MI	-
						3	US223I	US223MI	US223M2I
27x60mm	150	100kA	800	800	No	1	-	US271	-
						2	-	US272	-
						3	-	US273	-
						N	-	US27N	-
					Yes	1	-	US271I	-
						2	-	US272I	-
						3	-	US273I	-



Main production sites

Industrial or commercial branch



A WORLD LEADER
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for electrical power.

A GLOBAL PLAYER

A global expert in materials and solutions for extreme environments as well as in the safety and reliability of electrical equipment, Mersen designs innovative solutions to address its

clients' specific needs to enable them to optimize their manufacturing process in sectors such as energy, transportation, electronics, chemical, pharmaceutical, and process industries.

MERSEN U.S.A.
374 Merrimac Street
Newburyport, MA 01950
U.S.A.
T : 978 462 6662
F : 978 462 0181

MERSEN France
15 Rue Jacques de Vaucanson
F-69720 Saint Bonnet de Mure
France
T : +33 (0)4 72 22 66 11
F : +33 (0)4 72 22 67 13

MERSEN Toronto
6200 Kestrel Road
Mississauga, Ontario
Canada L5T 1Z1
T : 416 252 9371
F : 416 252 6572

MERSEN Shanghai
No.55-A6. Shu Shan Road
Songjiang 201611
Shanghai
Tel: +8621 67602388

ep.mersen.com