750 Volt UltraSafe™ Fuse Holders



Mersen UltraSafe™ modular 750 volt Fuse Holders offer the highest levels of safety and features for 14 x 51 mm and 22 x 58 mm fuses. Like all UltraSafe holders, they qualify as "finger-safe" to an IP20 grade of protection under IEC standards, including fuse changing (with the flick of a finger). The US14 and US22 ranges are available in 1, 2 or 3 pole units, with or without blown-fuse indicator lights in each pole.

These holders come standard with a mechanical indicator that shows fuse presence. If a striker fuse is used, this mechanical indicator will also indicate a blown fuse. Microswitches can be supplied with the holders (or ordered separately for field installation) to allow remote communication. These holders also feature padlocking capabilities, DIN-rail mounting with our unique latching system to allow re-positioning, and the capability to be joined as multiple poles in the field.

Highlights:

- Finger-safe
- Optional indicator lights
- · Optional microswitches
- DIN-rail mount
- Compact footprint
- · Quick, easy fuse change

Applications:

- · All circuits up to 750 volts using semiconductor fuses for systems, motor drives, etc.
- · No-load disconnect
- IP20 requirements

- protection of small inverters, UPS



Ratings:

Volts : 750VAC/DC

Amps : 50A (14 x 51 mm) : 125A (22 x 58 mm)

SCCR: 200kA

Recommended Fuse Usage:

- US14 use with 14 x 51mm: A70QS, A70P, URC, URD
- US22 use with 22 x 58 mm: A70QS, URD

Approvals:

- · All UltraSafe fuse holders meet the requirements of **UL4248**
- UL Recognized Component guide IZLT2, File E52283
- · CSA Certified C22.2, class 6225, File 32169
- IEC Compliant (60269-1, 60947-3)







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Catalog Numbers and Descriptions - For use with 14 x 51 mm Fuses up to 50A

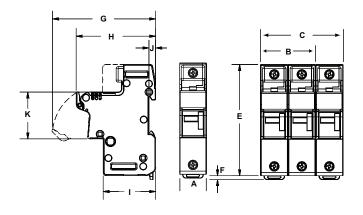
Catalog No. Description US141 1 Pole US142 2 Pole US143 3 Pole US141I 1 Pole with Indicator US142I 2 Pole with Indicators US143I 3 Pole with Indicators US141M 1 Pole with Microswitch US142M 2 Pole with Microswitch 3 Pole with Microswitch US143M US143M2 3 Pole with 2 Microswitches US141MI 1 Pole with Microswitch & Indicator US142MI 2 Pole with Microswitch & Indicators US143MI 3 Pole with Microswitch & Indicators US143M2I 3 Pole with 2 Microswitches & Indicators US141N 1 Pole - Neutral US14PAK Accessory - Multi-pole Assembly Kit US14S1P Accessory - 1 Pole Microswitch US14S3P Accessory - 3 Pole Microswitch US14S3P2 Accessory - 3 Pole, 2 Microswitches

Catalog Numbers and Descriptions -For use with 22 x 58 mm Fuses up to 125A

Catalog No.	Description
US221	1 Pole
US222	2 Pole
US223	3 Pole
US221I	1 Pole with Indicator
US222I	2 Pole with Indicators
US223I	3 Pole with Indicators
US221M	1 Pole with Microswitch
US222M	2 Pole with Microswitch
US223M	3 Pole with Microswitch
US223M2	3 Pole with 2 Microswitches
US221MI	1 Pole with Microswitch & Indicator
US222MI	2 Pole with Microswitch & Indicators
US223MI	3 Pole with Microswitch & Indicators
US223M2I	3 Pole with 2 Microswitches & Indicators
US22N	1 Pole - Neutral
US22PAK	Accessory - Multi-pole Assembly Kit
US22S1P	Accessory - 1 Pole Microswitch
US22S3P	Accessory - 3 Pole Microswitch
US22S3P2	Accessory - 3 Pole, 2 Microswitches

Dimensions

Dimension	US	US14		US22	
	mm	In	mm	In	
Α	26.5	1.04	35.0	1.38	
В	53.0	2.09	70.0	2.76	
С	79.5	3.13	105.0	4.13	
Е	107.0	4.21	124.0	4.88	
F	3.80	0.15	3.80	0.15	
G	94.0	3.70	103.0	4.06	
Н	76.5	3.01	76.5	3.01	
1	50.5	1.98	50.5	1.98	
J	6.50	0.26	6.5	0.26	
K	45.0	1.77	45.0	1.77	



Additional Specifications:

Terminal screws: Phillips/slot head

Suggested screw torque: 50A - 35 lbs.-in. 125A - 45 lbs.-in.

Connector type: Pressure Plate

Wire range: US14 #2 to #14 (solid/stranded Cu), US22 1/0 to #14 (solid/stranded Cu)

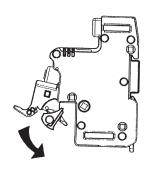
Load-break disconnect: No

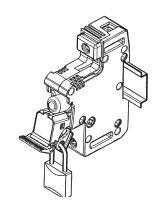


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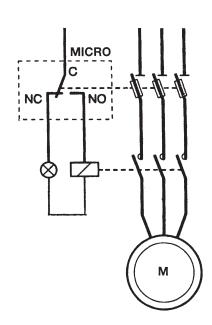


Lock installation

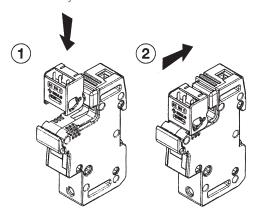


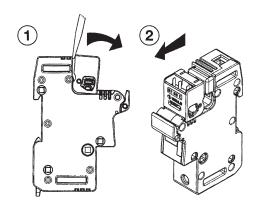


Microswitch mounting instructions(*)



Assembly





Auxilliary microswitch characteristics

(*) Microswitch functions

Blown fuse: Fuse holder containing fuse with striker sends message when fuse

blown

Prebreaking: When fuse holder opens

Presence: Sends message or not depending on fuse

presence

Nominal current and interrupting rating(1) at 250V

Nominal current and interrupting rating(1) at 12 V and 24 V

(1) According IEC947-5 Standard

6A AC12 3A AC13 0,3A AC14

0,1A DC12/13/14 6A DC12/DC13 5A AC13

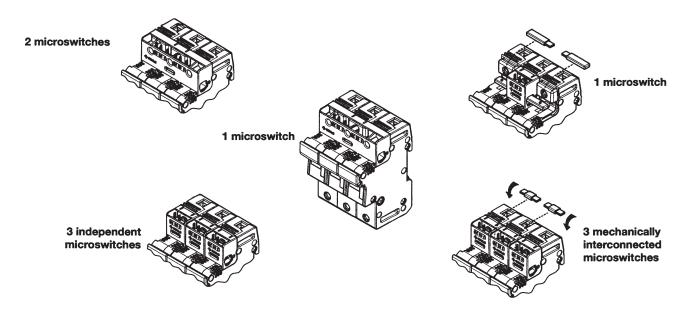
2A AC14/DC13 0.6A DC14



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Microswitch options



Fuse holder assembly

