

# ULTRASAFE™ Fuse Holders



The safety  
evolution  
continues.

 GROUPE  
CARBONE LORRAINE

 **Ferraz  
Shawmut**

Your circuit protection resource.

## ULTRASAFE Series Nomenclature

Description-fuse holders	for use with 14x51mm fuses	for use with 22x58mm fuses
1 Pole	US141	US221
1 Pole with Indicator	US141I	US221I
1 Pole with Microswitch	US141M	US221M
1 Pole with Microswitch & Indicator	US141MI	US221MI
2 Pole	US142	US222
2 Pole with Indicator	US142I	US222I
2 Pole with Microswitch	US142M	US222M
2 Pole with Microswitch & Indicator	US142MI	US222MI
3 Pole	US143	US223
3 Pole with Indicator	US143I	US223I
3 Pole with Microswitch	US143M	US223M
3 Pole with Microswitch & Indicator	US143MI	US223MI
3 Pole with 2 Microswitches	US143M2	US223M2
3 Pole with 2 Microswitches & Indicator	US143M2I	US223M2I
1 Pole with Integral Neutral Link	US14N	US22N

### Accessories for Assembling Multiple Poles

	US14 Series	US22 Series
Multi-pole Assembly Kit	US14PAK	US22PAK
Microswitch for single pole	US14S1P	US22S1P
Microswitch for 3 pole	US14S3P	US22S3P
2 Microswitches for 3 pole	US14S3P2	US22S3P2

### Specifications

	US14 Series	US22 Series
Voltage AC	750V	750V
Amperage	50A	125A
Withstand Rating (RMS Symmetrical)	200,000A	200,000A
Termination Screw Type	Phillips/Slot Screw	Phillips/Slot Screw
Suggested Torque (lbs-in)	35	45
Termination Type	Pressure Plate	Pressure Plate
Wire Range (Solid/Stranded CU)	#2-#14	1/0-#14
Load-Break Disconnect	No	No

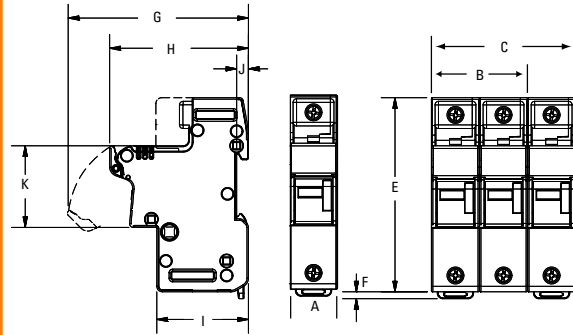
### Agency Approvals

	US14 Series	US22 Series
UL 512, Guide IZLT2, File E52283 (Recognized)	Yes	Yes
CSA C22.2, Class 6225, File 32169	Yes	Yes
IEC 269	Yes	Yes

### US14 Series US22 Series

ULTRASAFE fuse holders will accommodate the following Ferraz Shawmut fuses:	60gD14, A70QS, A70P, URC, URD	60gD22, A70QS, URD
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## US14/22



### Outline Dimensions - mm (in.)

Dimension	US 14 Series		US22 Series	
	mm	in	mm	in
A	26.5	1.04	35.0	1.38
B	53.0	2.09	70.0	2.76
C	79.5	3.13	105.0	4.13
D	-	-	-	-
E	107.0	4.21	124.0	4.88
F	3.8	0.15	3.8	0.15
G	94.0	3.70	103.0	4.06
H	76.5	3.01	76.5	3.01
I	50.5	1.99	50.5	1.99
J	6.5	0.26	6.5	0.26
K	45.0	1.77	45.0	1.77

# the revolutionary advantages

## "Finger-safe" fuse changeouts

## Compact, versatile designs

## At-a-glance open-fuse indication

## Snap-on simplicity of DIN rail mounting

## UL, CSA and CE Mark for global acceptance

Ferraz Shawmut continues to lead the safety evolution with even more improvements to our popular ULTRASAFE fuse holders. Renowned throughout the industry for their forward-thinking design, ULTRASAFE fuse holders deliver more than "finger-safe" protection, they deliver the features both installers and end users demand. Features like lockout/tagout compliance, the simplicity of DIN rail mounting, and at-a-glance open-fuse indication.

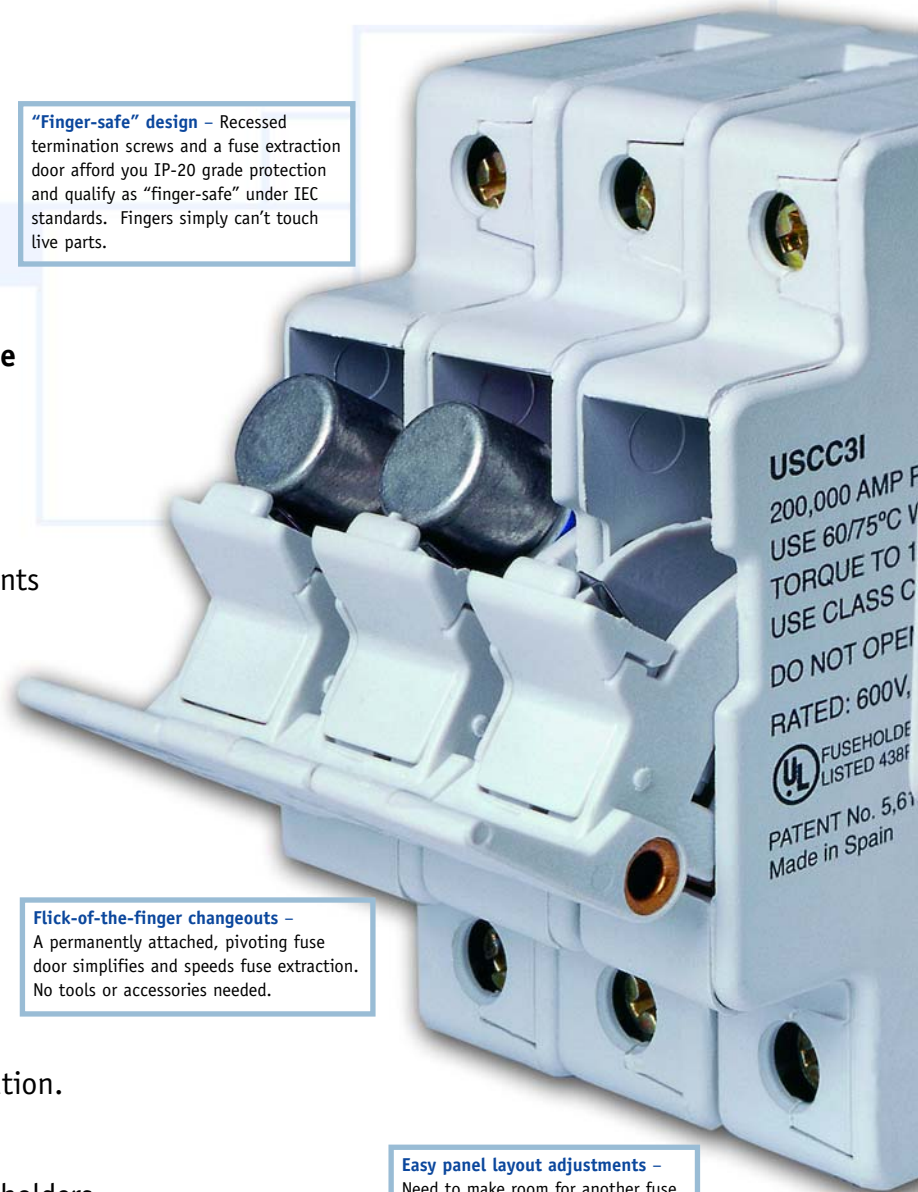
In addition, our new US14 and US22 series holders feature microswitch capabilities for remote indication. And for quick and easy panel layout adjustments, many models include an innovative DIN rail latch adapter. Simply unlatch, slide the holder to the new position, and relock. With ULTRASAFE, ease-of-use — and safety — come built right in.

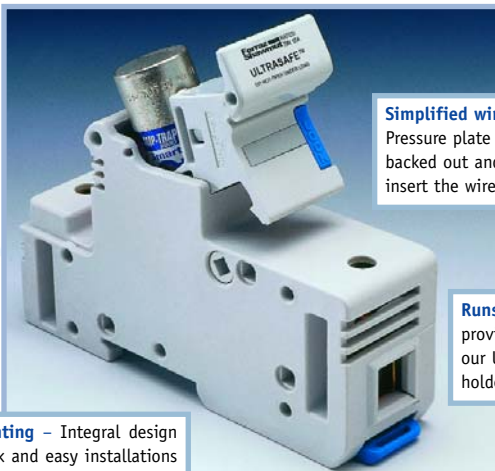
**"Finger-safe" design** – Recessed termination screws and a fuse extraction door afford you IP-20 grade protection and qualify as "finger-safe" under IEC standards. Fingers simply can't touch live parts.

**Flick-of-the-finger changeouts** – A permanently attached, pivoting fuse door simplifies and speeds fuse extraction. No tools or accessories needed.

**Easy panel layout adjustments** – Need to make room for another fuse holder or component? Simply unlatch the DIN rail adapter, slide the holder to the desired position, and relock.

**UL/CSA compliance** – USCC, US3J and US6J, models are UL Listed and CSA certified for branch circuit protection. USM US14 and US22 models are UL Recognized and CSA Certified for supplementary and high speed protection.





**Simplified wire terminations** – Pressure plate terminals arrive backed out and ready to wire. Just insert the wire, tighten and go.

**Runs cool** – Our vented design provides adequate airflow around our US3J, US6J, US14 and US22 holders at all times.

**DIN rail mounting** – Integral design allows for quick and easy installations on 35mm DIN rail. And our Class CC and Midget holders take up 15% less space than traditional holders.

**Totally modular** – Use single or multiple poles. Or add poles in the field using a pin assembly kit to form any number of poles. Either way, you have maximum application flexibility.



**At-a-glance open-fuse indication** – A long-lasting, neon 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** – US3J, US6J, US14 and US22 fuse holders provide a lockable extraction door to meet OSHA requirements and prevent personnel from accidentally energizing equipment that is off-line for repairs or maintenance.

**European acceptance** – All ULTRASAFE fuse holders have a CE Mark for acceptance throughout the European community.

## your global resource

With products to meet every major global standard and a worldwide sales and service network, Ferraz Shawmut offers a range of solutions unmatched in the industry. Plus technical and applications support that combine our global expertise with local, customer-first service. So whatever and wherever your circuit protection needs may be, there is one company that can meet them all.



## ULTRASAFE Series Nomenclature

Description-fuse holders	for use with Class CC fuses	for use with Midget fuses	for use with 30AJ fuses	for use with 60AJ fuses
1 Pole	USCC1	USM1	US3J1	US6J1
1 Pole with Indicator	USCC1I	USM1I	US3J1I	US6J1I
1 Pole with Indicator 12-24VDC	USCC1I-DC24	USM1I-DC24		
1 Pole with Indicator 20-24VDC		USM1I-DC24P		
1 Pole with Indicator 35-48VDC	USCC1I-DC48	USM1I-DC48		
2 Pole	USCC2	USM2	US3J2	US6J2
2 Pole with Indicator	USCC2I	USM2I	US3J2I	US6J2I
3 Pole	USCC3	USM3	US3J3	US6J3
3 Pole with Indicator	USCC3I	USM3I	US3J3I	US6J3I
3 Pole with a Fourth Neutral Pole	USCC3N	USM3N		
3 Pole with Indicators & a Fourth Neutral Pole	USCC3IN	USM3IN		
4 Pole	USCC4	USM4		
4 Pole with Indicator	USCC4I	USM4I		
1 Pole with Integral Neutral Link		USN	US3JN	US6JN

### Accessories for Assembling

Multiple Poles	USCC Series	USM Series	US3J Series	US6J Series
Two Pole Assembly Kits	USPTH2	USPTH2	US3J2PAK	US6J2PAK
Three Pole Assembly Kits	USPTH3	USPTH3	US3J3PAK	US6J3PAK
Four Pole Assembly Kits	USPTH4	USPTH4	US3J4PAK	US6J4PAK

### Specifications

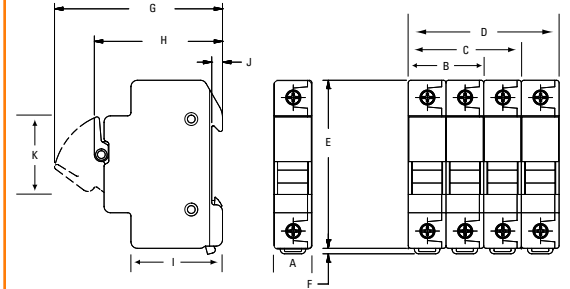
	USCC Series	USM Series	US3J Series	US6J Series
Voltage AC	600V	600V	600V	600V
Special Indicator Voltage DC	24V, 48V	24V, 48V		
Amperage	30A	30A	30A	60A
Withstand Rating (RMS Symmetrical)	200,000A	100,000A	200,000A	200,000A
Termination Screw Type	Phillips/Slot Screw	Phillips/Slot Screw	Phillips/Slot Screw	Phillips/Slot Screw
Suggested Torque (lbs-in)	14.75	14.75	35	45
Termination Type	Pressure Plate	Pressure Plate	Pressure Plate	Pressure Plate
Wire Range (Solid/Stranded CU)	#6-#14	#6-#14	#2-#14	#2-#14
Load-Break Disconnect	No	No	No	No

### Agency Approvals

	USCC Series	USM Series	US3J Series	US6J Series
UL 512, Guide IZLT, File E52283 (Listed)	Yes	—	Yes	Yes
UL 512, Guide IZLT2, File E52283 (Recognized)	—	Yes	—	—
CSA C22.2, Class 6225, File 32169	Yes	Yes	Yes	Yes
IEC 269	—	Yes	Yes	Yes

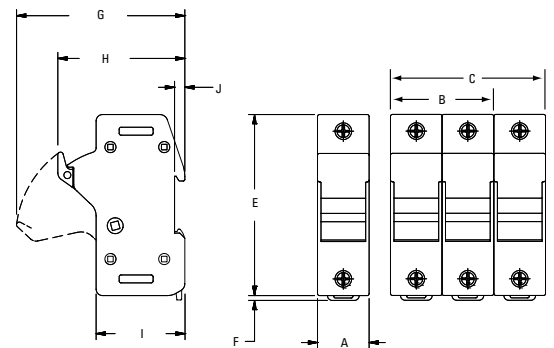
	USCC Series	USM Series	US3J Series	US6J Series
ULTRASAFE fuse holders will accommodate the following Ferraz Shawmut fuses:	ATDR, ATMR, ATQR	ATM, OTM, TRM, ATQ, A60Q, A15X-TYPE2, A30Z-TYPE 2, A6Y-TYPE 2B, GGU	AJT, A4J, HSJ	AJT, A4J, HSJ

## Class CC & Midget



### Outline Dimensions - mm (in.)

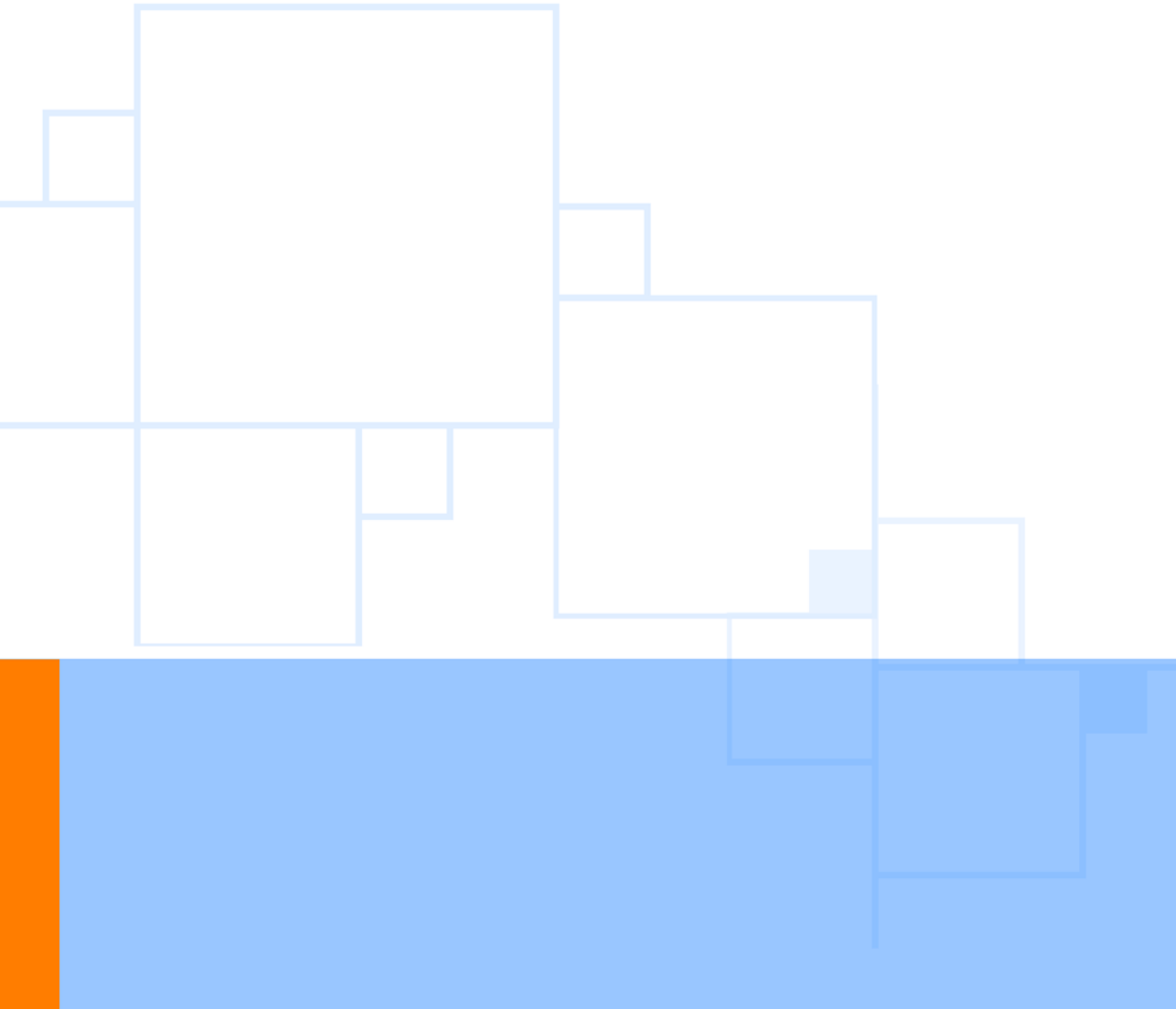
Dimension	Class CC & Midget Series		US3J Series		US6J Series	
	mm	in	mm	in	mm	in
A	17.5	0.69	32.5	1.28	40	1.57
B	35.0	1.38	65	2.56	80	3.15
C	52.5	2.07	97.5	3.84	120	4.72
D	70.0	2.76				
E	78.0	3.07	114	4.49	122	4.80
F	2.5	0.10	3	0.12	3	0.12
G	78.0	3.07	106	4.17	115	4.43
H	59.0	2.32	80	3.15	89	3.50
I	42.5	1.67	56	2.20	62	2.44
J	5.0	0.20	6.5	0.26	6.5	0.26
K	45.0	1.77				



## Class J



Your circuit protection resource.



Your circuit protection resource.

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