

Increase Short Circuit Current Rating (SCCR) with the USFM

Mersen UltraSafe™ Fuse Modules have a unique, compact design suited for use with 45mm wide IEC contactors and motor starters. The USFMCC(I) has a stand-alone short circuit current rating (SCCR) of 200kA. Mersen Class CC motor protection fuses offer time delay characteristics in a compact body with a 200kA interrupting rating.

- Increase panel SCCR when determining UL508A calculations
- Half the price and size of motor protection circuit breakers
- Ideal for panel builders, system integrators and OEMs
- Provide Type 2 “No Damage” protection

USFMCC and USFMCCI

UltraSafe™ Fuse Module

- Dedicated 3-pole Class CC Fuse Module
- 600VAC, 30A – UL/CSA
- 200kA SCCR – UL/CSA
- UL Listed, File E52283; CSA Certified, Report 32169
- Compact footprint with 45mm width
- DIN-rail mountable
- Optional blown fuse indication
- Optional auxiliary contact (1NO/1NC)
- Finger-safe design
- Lock-out, tag-out feature
- Primarily to replace circuit breakers to achieve higher SCCR



ATDR(AMP)

Class CC Amp-Trap 2000® Fuse

- The best protection for today's small motors
- 600VAC, available 1/4-30A
- 200kA interrupting rating
- UL Listed to 248-4, File E2137; CSA Certified, Report 12636
- Time-delay for motor inrush currents without nuisance opening
- Can provide IEC “Type 2” protection
- Rejection style design prevents replacement errors
- Suitable for branch circuit protection
- 1-1/2" length x 13/32" diameter



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SCCR Comparison Table, Circuit Breakers vs. USFMCC

ABB Starter	Continuous Ampere Rating	ABB Breaker	Combination Voltage	Combination SCCR Breaker (kA)	Combination SCCR USFMCC + ATDR (kA)	
A9, A12, A16, A26 + TA25	9, 12, 16, 25	S3L...MW	480V or less	35	200	
		S3L...TW		35		
		T2H...TW		14		
		T2H...TW		22		
Allen-Bradley Starter	Continuous Ampere Rating	Allen-Bradley Breaker	Combination Voltage	Combination SCCR Breaker (kA)	Combination SCCR USFMCC + ATDR (kA)	
IEC Bulletin 100 + 193	9	Bulletin 140M-C	480V or less	65	100	
			600V	47		
	12, 16		480V or less	30		
			600V	30		
	23		480V or less	25		
			600V	10		
9, 12, 16, 23, 30, 37	Bulletin 140M-D, F	480V or less	65			
600V	30					
Eaton Cutler-Hammer Starter	Continuous Ampere Rating	Eaton Cutler-Hammer Breaker	Combination Voltage	Combination SCCR Breaker (kA)	Combination SCCR USFMCC + ATDR (kA)	
Freedom NEMA AN16BN, AN16DN	9, 18, 27	HFD	480V or less	65	100	
			600V	25		
		FDC	480V or less	100		
			600V	35		
IT, NEMA Electro-Mechanical N101CS1	9, 18, 27	EGH, HMCPE, HMCPS	480V or less	65	100	
			600V	100		
			600V	50		
XT IEC Power Control XTCE + XTOB	7 - 32	HMCP003, HMCP	600V or less	35	100	
			600V or less	15		
		HMCPE	480V or less	65		
Siemens Starter	Continuous Ampere Rating	Siemens Breaker	Combination Voltage	Combination SCCR Breaker (kA)	Combination SCCR USFMCC + ATDR (kA)	
NEMA 14BS, 14CS, 14DS	9, 18, 27	CED63A, ED63A	480V or less	100	100	
			600V	42		
			480V or less	100		
		CED63B, ED63B	600V	25		
			HHED63B	480V or less		100
				600V		25
Square D / Telemecanique Starter	Continuous Ampere Rating	Square D Breaker	Combination Voltage	Combination SCCR Breaker (kA)	Combination SCCR USFMCC + ATDR (kA)	
IEC LC1D09, 12, 18, 25, 32 + LRD	9 - 32	HDL	240V or less	25	100	
			480V	18		
			600V	14		
		GJL	240V or less	100		
			480V	65		
			600V	25		
NEMA 8536SC03	9, 18, 27	HDL	240V or less	25	100	
			480V	18		
			600V	14		
		HGL	240V or less	65		
			480V	35		
			600V	18		
		HJL	240V or less	100		
			480V	65		
			600V	25		
HLL	480V or less	100				
	600V	50				

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