

## Combination Motor Controllers Short-Circuit Ratings for UL 508 Type F Application

## XTFC and XTFR Combination Motor Controllers (CMC), UL 508 Type F

Assembled Controller <sup>①</sup>		FLA Adjustment Range/Overload Release— I <sub>r</sub> (Amps)	Short-Circuit Release— I <sub>rm</sub> (Amps)	UL 508 Type F Application Max. rms Symmetrical Short-Circuit Ratings (kA)			Maximum Upstream Protective Device (A) <sup>②</sup>	
				240V	480/277V	600/347V	Maximum Fuse 600V	Maximum Circuit Breaker 600V
Non-Reversing	Reversing							
<b>XTFC and XTFR Frame B MMP + Frame B Contactor</b>								
XTFCP16BB_	XTFRP16BB_	0.1–0.16	2.2	65	65	50	Not required	Not required
XTFCP25BB_	XTFRP25BB_	0.16–0.25	3.5	65	65	50	Not required	Not required
XTFCP40BB_	XTFRP40BB_	0.25–0.4	5.6	65	65	50	Not required	Not required
XTFCP63BB_	XTFRP63BB_	0.4–0.63	8.82	65	65	50	Not required	Not required
XTFC001BB_	XTFR001BB_	0.63–1	14	65	65	50	Not required	Not required
XTFC1P6BB_	XTFR1P6BB_	1–1.6	22.4	65	65	50	Not required	Not required
XTFC2P5BB_	XTFR2P5BB_	1.6–2.5	35	65	65	50	Not required	Not required
XTFC004BB_	XTFR004BB_	2.5–4	56	65	65	50	Not required	Not required
XTFC6P3BB_	XTFR6P3BB_	4–6.3	88.2	65	65	50	Not required	Not required
XTFC010BB_	XTFR010BB_	6.3–10	140	65	65	50	Not required	Not required
XTFC012BB_	XTFR012BB_	8–12	168	65	65	50	Not required	Not required
XTFC016BB_	—	10–16	224	50	50	—	Not required	Not required
<b>XTFC and XTFR Frame B MMP + Frame C Contactor</b>								
XTFC016BC_	XTFR016BC_	10–16	224	18	18	—	Not required	Not required
XTFC020BC_	XTFR020BC_	16–20	280	18	18	—	Not required	Not required
XTFC025BC_	XTFR025BC_	20–25	350	18	18	—	Not required	Not required
XTFC032BC_	XTFR032BC_	25–32	448	18	18	—	Not required	Not required
<b>XTFC and XTFR Frame D MMP + Frame C Contactor</b>								
XTFC016DC_	XTFR016DC_	10–16	224	50	50	50	Not required	Not required
XTFC025DC_	XTFR025DC_	16–25	350	50	50	50	Not required	Not required
XTFC032DC_	XTFR032DC_	25–32	448	65	65	50	Not required	Not required
<b>XTFC and XTFR Frame D MMP + Frame D Contactor</b>								
XTFC040DD_	XTFR040DD_	32–40	560	65	65	50	Not required	Not required
XTFC050DD_	XTFR050DD_	40–50	700	65	65	50	Not required	Not required
XTFC058DD_	XTFR058DD_	50–58	812	65	65	50	Not required	Not required
XTFC063DD_	XTFR063DD_	55–65	882	65	65	50	Not required	Not required

**Notes**

① Underscore ( \_ ) indicates magnetic coil suffix required. See **Page V5-T1-204**.

② For UL 508 Type F applications, the combination motor controller assembly does not require a dedicated upstream protective device in the panel, thus a maximum rating is not required.