



**TF THERMAL OVERLOAD RELAY COMPONENT +
PANEL MOUNT KIT**

1SXU100103D0202

Revision	X
DATE	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

OVERLOAD	UL File Volume_Section for Contactor	FUSES		UL LISTED CIRCUIT BREAKER				COMMENTS
		kA @ ≤ 600VAC		kA @ ≤480VAC		kA @ 600VAC		
		Max Size	kA	Max Size	kA	Max Size	kA	
TF42-0.23	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-1 or K5-1	18	-	-	-	-	
TF42-0.74	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-3 or K5-3	18	-	-	-	-	
TF42-1.7	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-6 or K5-6	18	-	-	-	-	
TF42-3.1	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-10 or K5-10	18	-	-	-	-	
TF42-4.2	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-15 or K5-15	18	-	-	-	-	
TF42-5.7	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-20 or K5-20	18	-	-	-	-	
TF42-7.6	E48139_8_13	J-30	100	-	-	-	-	Used with DB42
		RK5-25 or K5-25	18	-	-	-	-	
TF42-10	E48139_8_13	J-45	100	-	-	-	-	Used with DB42
		RK5-35 or K5-35	18	-	-	-	-	
TF42-13	E48139_8_13	J-45	100	-	-	-	-	Used with DB42
		RK5-40 or K5-40	18	-	-	-	-	
TF42-16	E48139_8_13	J-45	100	-	-	-	-	Used with DB42
		RK5-60 or K5-60	18	-	-	-	-	
TF42-24	E48139_8_13	J-60	100	-	-	-	-	Used with DB42
		RK5-80 or K5-80	18	-	-	-	-	
TF42-29	E48139_8_13	J-100	100	-	-	-	-	Used with DB42
		RK5-100 or K5-100	18	-	-	-	-	
TF42-38	E48139_8_13	J-175	100	-	-	-	-	Used with DB42
		RK5-150 or K5-150	18	-	-	-	-	
TF65-28	E48139_8_15	J-110	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-100 or K5-100	5	-	-	-	-	
TF65-33	E48139_8_15	J-110	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-100 or K5-100	5	-	-	-	-	
TF65-40	E48139_8_15	J-110	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-100 or K5-100	5	-	-	-	-	
TF65-47	E48139_8_15	J-125	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-125 or K5-125	5	-	-	-	-	
TF65-53	E48139_8_15	J-125	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-125 or K5-125	10	-	-	-	-	
TF65-60	E48139_8_15	J-150	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-150 or K5-150	10	-	-	-	-	



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Revision	X
DATE	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

OVERLOAD	UL File_ Volume_Section for Contactor	FUSES		UL LISTED CIRCUIT BREAKER				COMMENTS
		kA @ ≤ 600VAC		kA @ ≤480VAC		kA @ 600VAC		
		Max Size	kA	Max Size	kA	Max Size	kA	
TF65-67	E48139_8_15	J-150	100	CB 100*	65	CB 100*	35	Used with DB65
		RK5-150 or K5-150	10	-	-	-	-	
TF96-51	E48139_8_15	J-125	100	CB 150*	65	CB 150*	35	Used with DB96
		RK5-150 or K5-150	5	-	-	-	-	
TF96-60	E48139_8_15	J-150	100	CB 150*	65	CB 150*	35	Used with DB96
		RK5-150 or K5-150	10	-	-	-	-	
TF96-68	E48139_8_15	J-150	100	CB 150*	65	CB 150*	35	Used with DB96
		RK5-150 or K5-150	10	-	-	-	-	
TF96-78	E48139_8_15	J-175	100	CB 150*	65	CB 150*	35	Used with DB96
		RK5-175 or K5-175	10	-	-	-	-	
TF96-87	E48139_8_15	J-200	100	CB 150*	65	CB 150*	35	Used with DB96
		RK5-200 or K5-200	10	-	-	-	-	
TF96-96	E48139_8_15	J-225	100	CB 150*	65	CB 150*	35	Used with DB96
		RK5-250 or K5-250	10	-	-	-	-	
TF140DU_	E48139_8_14	J-250	100	CB 250*	100	CB 250*	100	Used with DB200 Applies to whole range
		RK5-250 or K5-250	10	-	-	-	-	
TA200DU90	E48139_8_5	J-250	35	CB 225*	10	CB 225*	10	Used with DB200
		RK5-250 or K5-250	10	CB 125*	35	CB 125*	18	
TA200DU110	E48139_8_5	J-250	100	CB 250*	100	CB 250*	100	Used with DB200
		RK5-250 or K5-250	10	-	-	-	-	
TA200DU135	E48139_8_5	J-250	100	CB 250*	100	CB 250*	100	Used with DB200
		RK5-300 or K5-300	10	-	-	-	-	
TA200DU150	E48139_8_5	J-250	100	CB 250*	100	CB 250*	100	Used with DB200
		J-400	65	-	-	-	-	
		RK5-300 or K5-300	10	-	-	-	-	
TA200DU175	E48139_8_5	J-300	100	CB 225*	35	CB 225*	18	Used with DB200
		RK5-300 or K5-300	10	-	-	-	-	
TA200DU200	E48139_8_5	J-400	100	CB 400*	100	CB 400*	100	Used with DB200
		RK5-400 or K5-400	10	-	-	-	-	

*CB interrupt rating must meet or exceed kA rating listed in this table.
 If CB interrupt rating is lower than kA listed rate combination at the CB lower interrupt rating.
 If CB interrupt rating is greater than kA listed rate combination per lower kA rating found in this table.

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EF ELECTRONIC OVERLOAD RELAY COMPONENT + PANEL MOUNT KIT

1SXU100103D0202

Revision	X
DATE	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

OVERLOAD	UL File_Volume_Section for Overload	FUSES				UL LISTED CIRCUIT BREAKER				COMMENTS
		kA @ ≤ 480VAC		kA @ 600VAC		kA @ ≤ 480VAC		kA @ 600VAC		
		Max Size	kA	Max Size	kA	Max Size	kA	Max Size	kA	
EF19-0.32	E48139_8_11	-	-	J-2	100	CB 15*	65	-	-	USED WITH DB19EF
		-	-	RK5-2 or K5-2	5	-	-	-	-	
EF19-1.0	E48139_8_11	-	-	J-2	100	CB 15*	65	-	-	USED WITH DB19EF
		RK5-2 or K5-2	50	RK5-2 or K5-2	5	-	-	-	-	
EF19-2.7	E48139_8_11	-	-	J-4	100	CB 15*	65	-	-	USED WITH DB19EF
		RK5-4 or K5-4	50	RK5-4 or K5-4	5	-	-	-	-	
EF19-6.3	E48139_8_11	-	-	J-15	100	CB 35*	65	-	-	USED WITH DB19EF
		RK5-15 or K5-15	50	RK5-15 or K5-15	5	-	-	-	-	
EF19-18.9	E48139_8_11	-	-	J-30	100	CB 35*	65	CB 20*	10	USED WITH DB19EF
		RK5-30 or K5-30	50	RK5-30 or K5-30	5	-	-	-	-	
EF45-30	E48139_8_11	-	-	J-150	100	CB 70*	65	-	-	USED WITH DB45EF
		-	-	RK5-150 or K5-150	18	-	-	-	-	
EF45-45	E48139_8_11	-	-	J-200	100	CB 70*	65	-	-	USED WITH DB45EF
		-	-	RK5-250 or K5-250	18	-	-	-	-	
EF65-56	E48139_8_11	-	-	J-150	100	CB 250*	65	CB 150*	10	MUST BE USED WITH AF40 OR AF52 OR AF65
		-	-	RK5-150 or K5-150	10	-	-	CB 250*	25	
EF65-70	E48139_8_11	-	-	J-150	100	CB 250*	65	CB 150*	10	MUST BE USED WITH AF40 OR AF52 OR AF65
		-	-	RK5-150 or K5-150	10	-	-	CB 250*	25	
EF96-100	E48139_8_11	-	-	J-200	100	CB 250*	65	CB 150*	10	USED WITH DB96
		-	-	RK5-200 or K5-200	10	-	-	CB 250*	25	
EF146-150	E48139_8_11	-	-	J-250	100	CB 250*	65	CB 150*	10	NO ACCESSORY REQUIRED
		-	-	RK5-250 or K5-250	10	-	-	CB 250*	100	
EF205-210	E48139_8_11	-	-	J-400	100	CB 400*	100	CB 400*	100	NO ACCESSORY REQUIRED
		-	-	RK5-400 or K5-400	10	-	-	-	-	
EF370-380	E48139_8_11	-	-	J-600	100	CB 800*	100	CB 800*	42	NO ACCESSORY REQUIRED
		-	-	L-800 or T-800	18	-	-	-	-	
EF460-500	E48139_8_11	-	-	J-600	100	CB 800*	84	CB 800*	42	USED WITH AF460 PER AF460 RATINGS AND ANY DT500 BUS KIT
		-	-	L-800	100	-	-	-	-	
		-	-	L-1000	30	-	-	-	-	
EF750-800	E48139_8_11	-	-	L-1200	100	CB 800*	89	CB 800*	42	USED WITH AF750 PER AF750 RATINGS AND ANY DT800 BUS KIT
		-	-	-	-	CB 1200*	42	-	-	
		-	-	L-1000	42	CB 1200*	30	CB 800*	42	
E1250DU_	E76003_6_10	-	-	-	-	CB 2000*	42	-	-	STAND ALONE (ZMVV2) WITH COMP LUGS OR WITH K7TK OR K8TL OR K8TM MECH LUGS
		-	-	L-2000	85	-	-	-	-	

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 If CB interrupt rating is greater than kA listed you must rate combination per lower kA rating found in this table.

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AF CONTACTOR + ELECTRONIC OVERLOAD COMPONENT RATINGS

1SXU100103D0202	
Revision	X
DATE	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

CONTACTOR	UL file_ Volume_Section CONTACTOR	OVERLOAD EOL RELAY MAX SIZE	UL File_ Volume_Section for EOL	FUSES		UL LISTED CIRCUIT BREAKER																												
				kA @ ≤ 600VAC		kA @ ≤240VAC^										kA @ ≤480VAC^										kA @ 600VAC^								
				Max Size	kA	Max Size	N	S	H	L	V	X	Max Size	N	S	H	L	V	X	Max Size	N	S	H	L	V	X								
AF09/Z-30_	E312527_7_1	EF19-18.9	E48139_8_11	CC-30	100	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	
				J-30	100																													
AF12/Z-30_	E312527_7_1	EF19-18.9	E48139_8_11	CC-30	100	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	
				J-30	100																													
AF16/Z-30_	E312527_7_1	EF19-18.9	E48139_8_11	CC-30	100	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	XT2_60_	10	10	10	10	10	-	
				J-60	100																													
AF26/Z-30_	E312527_7_1	EF45-45	E48139_8_11	J-60	100	T4_250_W	35	35	35	35	35	-	T4_250_W	25	35	35	35	35	-	T4_250_W	18	25	25	25	25	-	T4_250_W	18	25	25	25	25	-	
						XT1_100_	50	65	65	-	-	-	XT1_100_	25	35	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						XT2_100_	65	65	65	65	65	-	XT2_100_	25	35	65	65	65	-	XT2_100_	5	5	5	5	5	-	XT2_100_	5	5	5	5	5	-	
AF30/Z-30_	E312527_7_1	EF45-45	E48139_8_11	J-100	100	T4_250_W	35	35	35	35	35	-	T4_250_W	25	35	35	35	35	-	T4_250_W	18	25	25	25	25	-	T4_250_W	18	25	25	25	25	-	
						XT1_100_	50	65	65	-	-	-	XT1_100_	25	35	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						XT2_100_	65	65	65	65	65	-	XT2_100_	25	35	65	65	65	-	XT2_100_	5	5	5	5	5	-	XT2_100_	5	5	5	5	5	-	
AF38/Z-30_	E312527_7_1	EF45-45	E48139_8_11	J-100	100	T4_250_W	35	35	35	35	35	-	T4_250_W	25	35	35	35	35	-	T4_250_W	18	25	25	25	25	-	T4_250_W	18	25	25	25	25	-	
						XT1_100_	50	65	65	-	-	-	XT1_100_	25	35	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						XT2_100_	65	65	65	65	65	-	XT2_100_	25	35	65	65	65	-	XT2_100_	5	5	5	5	5	-	XT2_100_	5	5	5	5	5	-	
AF40-30_	E312527_14_1	EF65_	E48139_8_11	J-150	100	T2_100_W	65	65	-	-	-	-	T2_100_W	35	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						T4_100_W	65	65	65	65	65	-	T4_100_W	25	35	65	65	65	-	T4_100_W	18	25	35	35	35	-	T4_100_W	18	25	35	35	35	-	
						CB-100	65					CB-100	65					CB-100	10															
AF52-30_	E312527_14_1	EF65_	E48139_8_11	J-150	100	T2_100_W	65	65	-	-	-	-	T2_100_W	35	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						T4_100_W	65	65	65	65	65	-	T4_100_W	25	35	65	65	65	-	T4_100_W	18	25	35	35	35	-	T4_100_W	18	25	35	35	35	-	
						CB-100	65					CB-100	65					CB-100	10															
AF65-30_	E312527_14_1	EF65_	E48139_8_11	J-150	100	T2_100_W	65	65	-	-	-	-	T2_100_W	35	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						T4_100_W	65	65	65	65	65	-	T4_100_W	25	35	65	65	65	-	T4_100_W	18	25	35	35	35	-	T4_100_W	18	25	35	35	35	-	
						CB-100	65					CB-100	65					CB-100	10															
AF80-30_	E312527_14_1	EF96_	E48139_8_11	J-150	100	T4_150_W	65	65	65	65	65	-	T4_150_W	25	35	65	65	65	-	T4_150_W	18	25	35	35	35	-	T4_150_W	18	25	35	35	35	-	
						CB-150	65					CB-150	65					CB-150	65															
AF96-30_	E312527_14_1	EF96_	E48139_8_11	J-150	100	T4_150_W	65	65	65	65	65	-	T4_150_W	25	35	65	65	65	-	T4_150_W	18	25	35	35	35	-	T4_150_W	18	25	35	35	35	-	
						CB-150	65					CB-150	65					CB-150	65															
AF116-30_	E36588_9_101	EF146_	E48139_8_11	J-250	100	XT4_150_	-	-	-	-	-	100	XT4_150_	-	-	-	-	-	100	XT4_150_	-	-	-	-	-	##	XT4_150_	-	-	-	-	-	##	
						T4_250_W	65	100	100	100	100	-	T4_250_W	25	35	65	100	100	-	T4_250_W	18	25	35	65	100	-	T4_250_W	18	25	35	65	100	-	
						XT4_250_	65	100	100	100	100	100	-	XT4_250_	25	35	65	100	100	100	XT4_250_	18	22	25	50	65	65	XT4_250_	18	22	25	50	65	65
						CB-250	5					CB-250	10					CB-250	10															
AF140-30_	E36588_9_101	EF146_	E48139_8_11	J-250	100	XT4_150_	-	-	-	-	-	100	XT4_150_	-	-	-	-	-	100	XT4_150_	-	-	-	-	-	##	XT4_150_	-	-	-	-	-	##	
						T4_250_W	65	100	100	100	100	-	T4_250_W	25	35	65	100	100	-	T4_250_W	18	25	35	65	100	-	T4_250_W	18	25	35	65	100	-	
						XT4_250_	65	100	100	100	100	100	-	XT4_250_	25	35	65	100	100	100	XT4_250_	18	22	25	50	65	65	XT4_250_	18	22	25	50	65	65
						CB-250	5					CB-250	10					CB-250	10															
AF146-30_	E36588_9_101	EF146_	E48139_8_11	J-250	100	XT4_150_	-	-	-	-	-	100	XT4_150_	-	-	-	-	-	100	XT4_150_	-	-	-	-	-	##	XT4_150_	-	-	-	-	-	##	
						T4_250_W	65	100	100	100	100	-	T4_250_W	25	35	65	100	100	-	T4_250_W	18	25	35	65	100	-	T4_250_W	18	25	35	65	100	-	
						XT4_250_	65	100	100	100	100	100	-	XT4_250_	25	35	65	100	100	100	XT4_250_	18	22	25	50	65	65	XT4_250_	18	22	25	50	65	65
						CB-250	5					CB-250	10					CB-250	10															
AF190-30_	E36588_9_102	EF205_	E48139_8_11	J-400	100	T5_400_W	65	100	100	100	100	-	T5_400_W	25	35	65	100	100	-	T5_400_W	18	25	35	65	100	-	T5_400_W	18	25	35	65	100	-	
						CB-400	10					CB-400	10					CB-400	10															
AF205-30_	E36588_9_102	EF205_	E48139_8_11	J-400	100	T5_400_W	65	100	100	100	100	-	T5_400_W	25	35	65	100	100	-	T5_400_W	18	25	35	65	100	-	T5_400_W	18	25	35	65	100	-	
						CB-400	10					CB-400	10					CB-400	10															
AF265-30_	E36588_9_103	EF370_	E48139_8_11	J-600	100	T5_600_W	65	100	100	100	100	-	T5_600_W	25	35	65	100	100	-	T5_600_W	18	25	35	65	100	-	T5_600_W	18	25	35	65	100	-	
						T6_800_W	65	100	100	100	-	-	T6_800_W	35	50	65	100	-	-	T6_800_W	20	25	35	65	-	-	T6_800_W	20	25	35	65	-	-	
						CB-800	10					CB-800	18					CB-800	18															
AF305-30_	E36588_9_103	EF370_	E48139_8_11	J-600	100	T5_600_W	65	100	100	100	100	-	T5_600_W	25	35	65	100	100	-	T5_600_W	18	25	35	65	100	-	T5_600_W	18	25	35	65	100	-	
						T6_800_W	65	100	100	100	-	-	T6_800_W	35	50	65	100	-	-	T6_800_W	20	25	35	65	-	-	T6_800_W							



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PSR SOFT STARTER COMPONENT RATINGS

1SXU100103D0202

Revision X

DATE 11/4/2020

[CIRCUIT BREAKER
CONFIGURATOR](#)

COMMENTS

PSR SIZE	UL File_ Volume_Section for PSR	FUSES		UL LISTED CIRCUIT BREAKER					
		kA @ ≤600VAC		kA @ ≤500VAC					
		Max Size	kA	Max Size*	N	S	H	L	V
PSR3_	E161428_4_1	J-35	85	T2_050MW	-	5	5	-	-
PSR6_	E161428_4_1	J-35	85	T2_050MW	-	5	5	-	-
PSR9_	E161428_4_1	J-35	85	T2_050MW	-	5	5	-	-
PSR12_ PSR12C_	E161428_4_1	J-35	85	T2_050MW	-	5	5	-	-
PSR16_ PSR16C_	E161428_4_1	J-35	85	T2_050MW	-	5	5	-	-
PSR25_ PSR25C_	E161428_4_2	J-60	85	T2_100MW	-	5	5	-	-
PSR30_ PSR30C_	E161428_4_2	J-60	85	T2_100MW	-	5	5	-	-
PSR37_ PSR37C_	E161428_4_3	J-90	85	T3_150MW	5	5	-	-	-
PSR45_ PSR45C_	E161428_4_3	J-90	85	T3_150MW	5	5	-	-	-
PSR60_ PSR60C_	E161428_4_4	J-110	85	-	-	-	-	-	-
PSR72_ PSR72C_	E161428_4_4	J-125	85	-	-	-	-	-	-
PSR85_ PSR85C_	E161428_4_4	J-150	85	-	-	-	-	-	-
PSR105_ PSR105C_	E161428_4_4	J-200	85	-	-	-	-	-	-

* Where CB trip unit is specified, that trip unit must be used to obtain rating.

ABB TECHNICAL SUPPORT - TELEPHONE 1-888-385-1221

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**PSE SOFT STARTER
COMPONENT RATINGS**

1SXU100103D0202
Revision X
DATE 11/4/2020
[CIRCUIT BREAKER CONFIGURATOR](#)

PSE SIZE	UL File Volume_Section for PSE	FUSES		UL LISTED CIRCUIT BREAKER																	
		kA @ ≤600VAC		kA @ ≤480VAC					kA @ 600Y/347VAC					kA @ 600VAC							
		Max Size	kA	Max Size*	N	S	H	L	V	Max Size*	N	S	H	L	V	Max Size*	N	S	H	L	V
PSE18_	E161428_6_1	RK5-40	5	Ts3_070_W	25	-	35	35	-	-	-	-	-	-	-	Ts3_070TW	25	-	25	25	-
		J-40	85	T3_070_W	25	25	-	-	-	T3_070_W	10	10	-	-	-	T3_070TW	-	-	-	-	-
		-	-	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
PSE25_	E161428_6_1	RK5-50	5	Ts3_100_W	25	-	35	35	-	-	-	-	-	-	-	Ts3_100TW	25	-	25	25	-
		J-50	85	T3_100_W	25	25	-	-	-	T3_100_W	10	10	-	-	-	T3_100TW	-	-	-	-	-
		-	-	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
PSE30_	E161428_6_1	RK5-60	5	Ts3_100_W	25	-	35	35	-	-	-	-	-	-	-	Ts3_100TW	25	-	25	25	-
		J-60	85	T3_100_W	25	25	-	-	-	T3_100_W	10	10	-	-	-	T3_100TW	-	-	-	-	-
		-	-	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
PSE37_	E161428_6_1	RK5-80	5	Ts3_125_W	25	-	35	35	-	-	-	-	-	-	-	Ts3_125TW	25	-	25	25	-
		J-80	85	T3_125_W	25	25	-	-	-	T3_125_W	10	10	-	-	-	T3_125TW	-	-	-	-	-
		-	-	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
PSE45_	E161428_6_1	RK5-100	85	Ts3_150_W	25	-	35	35	-	-	-	-	-	-	-	Ts3_150TW	25	-	25	25	-
		J-100	5	T3_150_W	25	25	-	-	-	T3_150_W	10	10	-	-	-	T3_150TW	-	-	-	-	-
		-	-	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
PSE60_	E161428_6_1	RK5-125	5	Ts3_160_W	25	-	35	35	-	-	-	-	-	-	-	Ts3_160TW	25	-	25	25	-
		J-125	85	T3_225_W	25	25	-	-	-	T3_225_W	10	10	-	-	-	T3_225TW	-	-	-	-	-
		-	-	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
PSE72_	E161428_6_1	RK5-150	10	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
		J-150	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSE85_	E161428_6_1	RK5-175	10	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
		J-175	85	T5_300_W	25	35	35	35	35	-	-	-	-	-	-	T5_300_W	18	25	25	25	25
PSE105_	E161428_6_1	RK5-225	10	T4_250_W	25	35	65	65	65	-	-	-	-	-	-	T4_250_W	18	25	35	65	65
		J-225	85	T5_300_W	25	35	35	35	35	-	-	-	-	-	-	T5_300_W	18	25	25	25	25
PSE142_	E161428_6_2	RK5-300	10	T5_400_W	25	35	50	65	65	-	-	-	-	-	-	T5_400_W	18	25	25	65	65
		J-300	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSE170_	E161428_6_2	RK5-350	10	T5_400_W	25	35	50	65	65	-	-	-	-	-	-	T5_400_W	18	25	25	65	65
		J-350	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSE210_	E161428_6_3	RK5-450	10	T5_600_W	25	35	65	65	65	-	-	-	-	-	-	T5_600_W	18	25	35	65	65
		J-450	85	T6_800_W	35	50	50	50	-	-	-	-	-	-	-	T6_800_W	20	25	25	25	-
PSE250_	E161428_6_3	RK5-500	18	T5_600_W	25	35	65	65	65	-	-	-	-	-	-	T5_600_W	18	25	35	65	65
		J-500	85	T6_800_W	35	50	50	50	-	-	-	-	-	-	-	T6_800_W	20	25	25	25	-
PSE300_	E161428_6_3	RK5-600	18	T5_600_W	25	35	65	65	65	-	-	-	-	-	-	T5_600_W	18	25	35	65	65
		J-600	85	T6_800_W	35	50	50	50	-	-	-	-	-	-	-	T6_800_W	20	25	25	25	-
PSE370_	E161428_6_3	RK5-600	18	T5_600_W	25	35	65	65	65	-	-	-	-	-	-	T5_600_W	18	25	35	65	65
		J-600	85	T6_800_W	35	50	50	50	-	-	-	-	-	-	-	T6_800_W	20	25	25	25	-

* = Interrupt rating (Breaking Capacity) per Circuit Breaker - N=Normal, S=Standard, H=High, L=Extra High, V=Very High, X=Extreme High
 ^ = Trip Unit Version for CB. - B=Electronic LS/I (T2,T4,T5,T6,T7) C=Electronic LSI (T4,T5,T6,T7) E=Electronic LSIG (T4,T5,T6,T7)
 T= Thermal Mag - (T1,T2,T3,Ts3,T4,T5,T6)

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PSTB SOFT STARTER COMPONENT RATINGS

1SXU100103D0202	
Revision	X
Date	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

PSTB SIZE	UL File_ Volume_Section for PSTB	FUSES		UL LISTED CIRCUIT BREAKER											
		kA @ ≤600VAC		kA @ ≤480VAC						kA @ 600VAC					
		Max Size	kA	Max Size [^]	N	S	H	L	V	Max Size [^]	N	S	H	L	V
PSTB370	E161428_1_17	J-600	85	T5_600_W	25	35	65	65	65	T5_600_W	18	25	35	65	65
		170M-700	65	T6_800_W	35	40	40	40	-	T6_800_W	18	18	18	18	-
		L-800	85	-	-	-	-	-	-	-	-	-	-	-	-
PSTB470	E161428_1_17	170M-900	65	T6_800_W	35	40	40	40	-	T6_800_W	18	18	18	18	-
		L-1200	85	-	-	-	-	-	-	-	-	-	-	-	-
PSTB570	E161428_1_18	170M-900	65	T6_800_W	30	30	30	30	-	T6_800_W	20	25	30	30	-
		L-1200	30	CB 800**	30			CB 800**			30				
PSTB720	E161428_1_18	170M-1250	65	T7_1200_W	-	42	42	42	-	T7_1200_W	-	25	42	42	-
		L-1200	42	CB 1200**	42			CB 1200**			42				
PSTB840	E161428_1_18	170M-1500	65	T7_1200_W	-	42	42	42	-	T7_1200_W	-	25	42	42	-
		L-1200	42	CB 1200**	42			CB 1200**			42				
PSTB1050	E161428_1_18	170M-1600	65	T7_1200_W	-	50	65	85	-	T7_1200_W	-	25	42	42	-
		L-1200	85	CB 1200**	85			CB 1200**			42				

* = Interrupt rating (Breaking Capacity) per Circuit Breaker - N=Normal, S=Standard, H=High, L=Extra High, V=Very High, X=Extreme High

[^] = Trip Unit Version for CB. - B=Electronic LS/I (T2,T4,T5,T6,T7) C=Electronic LSI (T4,T5,T6,T7) E=Electronic LSIG (T4,T5,T6,T7)

T= Thermal Mag - (T1,T2,T3,Ts3,T4,T5,T6)

**CB interrupt rating must meet or exceed kA rating listed in this table.

If CB interrupt rating is lower than kA listed rate combination at the CB lower interrupt rating.

If CB interrupt rating is greater than kA listed rate combination per lower kA rating found in this table.



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PSTX SOFT STARTER COMPONENT RATINGS

1SXU100103D0202	
Revision	X
Date	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

PSTX SIZE	UL File_ Volume_Section for PSTX	FUSES		UL LISTED CIRCUIT BREAKER											
		kA @ ≤600VAC		kA @ ≤480VAC						kA @ 600VAC					
		Max Size	kA	Max Size*^	N	S	H	L	V	Max Size*^	N	S	H	L	V
PSTX30	E161428_7_1	RK5-60	5	T4_100_W	25	35	65	100	100	T4_100_W	18	25	35	65	100
		J-60	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX37	E161428_7_1	RK5-70	5	T4_100_W	25	35	65	100	100	T4_100_W	18	25	35	65	100
		J-70	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX45	E161428_7_1	RK5-90	5	T4_100_W	25	35	65	100	100	T4_100_W	18	25	35	65	100
		J-90	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX60	E161428_7_1	RK5-125	5	T4_100_W	25	35	65	100	100	T4_100_W	18	25	35	65	100
		J-125	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX72	E161428_7_1	RK5-150 ¹	10	T4_150_W	25	35	65	100	100	T4_150_W	18	25	35	65	100
		J-150	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX85	E161428_7_1	RK5-175 ²	10	T4_150_W	25	35	65	100	100	T4_150_W	18	25	35	65	100
		J-175	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX105	E161428_7_1	RK5-225 ²	10	T4_250_W	25	35	65	100	100	T4_250_W	18	25	35	65	100
		J-225	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX142	E161428_7_2	RK5-250 ²	10	T4_250_W	25	35	65	100	100	T4_250_W	18	25	35	65	100
		J-250	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX170	E161428_7_2	RK5-250	10	T4_250_W	25	35	65	100	100	T4_250_W	18	25	35	65	100
		J-250	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX210	E161428_7_3	RK5-400	10	T5_300_W	25	35	65	100	100	T5_300_W	18	25	35	65	100
		J-400	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX250	E161428_7_3	RK5-500 ³	18	T5_400_W	25	35	65	100	100	T5_400_W	18	25	35	65	100
		J-500	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX300	E161428_7_3	RK5-600 ⁴	18	T5_600_W	25	35	65	100	100	T5_600_W	18	25	35	65	100
		J-600	100	-	-	-	-	-	-	-	-	-	-	-	-
PSTX370	E161428_7_3	RK5-600 ⁴	18	T5_600_W	25	35	65	100	100	T5_600_W	18	25	35	65	100
		J-600	100	T6_800_W	25	35	65	94	-	T6_800_W	18	25	35	-	-



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PSTX SOFT STARTER COMPONENT RATINGS

1SXU100103D0202	
Revision	X
Date	11/4/2020
CIRCUIT BREAKER CONFIGURATOR	

PSTX SIZE	UL File_ Volume_Section for PSTX	FUSES		UL LISTED CIRCUIT BREAKER													
		kA @ ≤600VAC		kA @ ≤480VAC						kA @ 600VAC							
		Max Size	kA	Max Size*^	N	S	H	L	V	Max Size*^	N	S	H	L	V		
PSTX470 SEE NOTE 7 FOR CB RATING DETAILS	E161428_7_4	L-1200 ⁵	100	T7_1200_W ⁷	-	50	65	65	-	T7_1200_W ⁷	-	25	50	65	-		
		-	-	CB 1200 ⁷	SEE NOTE 7						CB 1200 ⁷	SEE NOTE 7					
		-	-	E4_3200-A ⁷	-	30	30	-	30	E4_3200-A ⁷	-	30	30	-	30		
		-	-	CB 3200 ⁷	SEE NOTE 7						CB 3200 ⁷	SEE NOTE 7					
PSTX570 SEE NOTE 8 FOR CB RATING DETAILS	E161428_7_4	L-1200 ⁶	100	T7_1200_W ⁸	-	50	65	65	-	T7_1200_W ⁸	-	25	50	65	-		
		-	-	CB 1200 ⁸	SEE NOTE 8						CB 1200 ⁸	SEE NOTE 8					
		-	-	E4_3200-A ⁸	-	30	30	-	30	E4_3200-A ⁸	-	30	30	-	30		
		-	-	CB 3200 ⁸	SEE NOTE 8						CB 3200 ⁸	SEE NOTE 8					
PSTX720	E161428_7_5	L-1600	100	T8V3000_	-	-	-	-	65	T8V3000_	-	-	-	-	65		
PSTX840	E161428_7_5	L-1600	100	T8V3000_	-	-	-	-	65	T8V3000_	-	-	-	-	65		
PSTX1050	E161428_7_6	L-2500	100	-	-						-	-					
PSTX1250	E161428_7_6	L-2500	100	-	-						-	-					

* = Interrupt rating (Breaking Capacity) per Circuit Breaker - N=Normal, S=Standard, H=High, L=Extra High, V=Very High, X=Extreme High

^ = Trip Unit Version for CB. - B=Electronic LSI (T2,T4,T5,T6,T7) C=Electronic LSI (T4,T5,T6,T7) E=Electronic LSI (T4,T5,T6,T7)

T= Thermal Mag - (T1,T2,T3,Ts3,T4,T5,T6)

**CB interrupt rating must meet or exceed kA rating listed in this table.

If CB interrupt rating is lower than kA listed rate combination at the CB lower interrupt rating.

If CB interrupt rating is greater than kA listed rate combination per lower kA rating found in this table.

1 - RK5 fuse rating 5kA for ≤ 480VAC

2 - RK5 fuse rating 5kA for ≤ 240VAC

3 - RK5 fuse rating 10kA for ≤ 480VAC

4 - RK5 fuse rating 10kA for ≤ 240VAC

5 - L fuse rating 10kA for ≤ 240VAC

6 - L fuse rating 18kA for 220-240VAC and 10kA for 208VAC

7 - Standard fault per Voltage rating (30kA = 440-600VAC, 10kA = 208-240VAC) Rate T7 or E4 per these values as well

8 - Standard fault per Voltage rating (30kA = 440-600VAC, 18kA = 220-240VAC, 10kA = 208VAC) Rate T7 or E4 per these values as well



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COMBINATION MOTOR CONTROLLERS AF
RANGE **TYPE A**
UL FILE E193298

1SXU100103D0202

Revision: X
DATE: 11/4/2020

CONTACTOR 3 phase ratings	FUSED DISCONNECT SCPD			OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	200-600 VAC		
		TOL	EOL			FUSE CLASS	MAX SIZE	SCCR kA
AF09-30	OS30FACC**	TOL%	TF42-10	1536	CLASS CC	30A	100kA	
		EOL%	EF19-18.9					
	OS30FAJ**	TOL%	TF42-10	1536	CLASS J	30A	100kA	
		EOL%	EF19-18.9					
AF09-30 NEMA 00	OS30FACC**	TOL%	TF42-7.6	1536	CLASS CC	30A	100kA	
		EOL%	EF19-18.9					
	OS30FAJ**	TOL%	TF42-7.6	1536	CLASS J	30A	100kA	
		EOL%	EF19-18.9					
AF12-30	OS30FACC**	TOL%	TF42-13	1536	CLASS CC	30A	100kA	
		EOL%	EF19-18.9					
	OS30FAJ**	TOL%	TF42-13	1536	CLASS J	30A	100kA	
		EOL%	EF19-18.9					
AF12-30 NEMA 0	OS30FACC**	TOL%	TF42-13	1536	CLASS CC	30A	100kA	
		EOL%	EF19-18.9					
	OS30FAJ**	TOL%	TF42-13	1536	CLASS J	30A	100kA	
		EOL%	EF19-18.9					
AF16-30	OS30FACC**	TOL%	TF42-20	1536	CLASS CC	30A	100kA	
		EOL%	EF19-18.9					
	OS30FAJ**	TOL%	TF42-20	1536	CLASS J	30A	100kA	
		EOL%	EF19-18.9					
AF26-30	OS60FAJ**	TOL%	TF42-29	1536	CLASS J	60A	100kA	
		EOL%	EF45-30					
	OS60GJ**	TOL%	TF42-29	1536	CLASS J	60A	100kA	
		EOL%	EF45-30					
AF26-30 NEMA 1	OS60FAJ**	TOL%	TF42-29	1536	CLASS J	60A	100kA	
		EOL%	EF19-18.9					
	OS60GJ**	TOL%	TF42-29	1536	CLASS J	60A	100kA	
		EOL%	EF19-18.9					
AF30-30	OS60FAJ**	TOL%	TF42-35	1536	CLASS J	60A	100kA	
		EOL%	EF45-45					
	OS60GJ**	TOL%	TF42-35	1536	CLASS J	60A	100kA	
		EOL%	EF45-45					
AF38-30	OS60FAJ**	TOL%	TF42-35	1536	CLASS J	60A	100kA	
		EOL%	EF45-45					
	OS60GJ**	TOL%	TF42-35	1536	CLASS J	60A	100kA	
		EOL%	EF45-45					



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COMBINATION MOTOR CONTROLLERS AF
RANGE **TYPE A**
UL FILE E193298

1SXU100103D0202

Revision: X
DATE: 11/4/2020

CONTACTOR 3 phase ratings	FUSED DISCONNECT SCPD			OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	200-600 VAC		
		TOL	EOL			FUSE CLASS	MAX SIZE	SCCR kA
AF40-30	OS100GJ**	TOL%	TF65-47	2560	CLASS J	100A	100kA	
		EOL	EF65-70					
	OS200J**	TOL%	TF65-47	2560	CLASS J	200A	100kA	
		EOL	EF65-70					
AF40-30 NEMA 2	OS100GJ**	TOL%	TF65-47	2560	CLASS J	100A	100kA	
		EOL	EF65-70					
	OS200J**	TOL%	TF65-47	2560	CLASS J	200A	100kA	
		EOL	EF65-70					
AF52-30	OS100GJ**	TOL%	TF65-67	2560	CLASS J	100A	100kA	
		EOL	EF65-70					
	OS200J**	TOL%	TF65-67	2560	CLASS J	200A	100kA	
		EOL	EF65-70					
AF65-30	OS100GJ**	TOL%	TF65-67	2560	CLASS J	100A	100kA	
		EOL	EF65-70					
	OS200J**	TOL%	TF65-67	2560	CLASS J	200A	100kA	
		EOL	EF65-70					
AF80-30	OS200J**	TOL%	TF96-87	4800	CLASS J	200A	100kA	
		EOL	EF96-100					
AF80-30 NEMA 3	OS200J**	TOL%	TF96-87	4800	CLASS J	200A	100kA	
		EOL	EF96-100					
AF96-30	OS200J**	TOL%	TF96-96	4800	CLASS J	200A	100kA	
		EOL	EF96-100					
AF116-30	OS200J**	TOL%	TF140DU-110	9000	CLASS J	200A	100kA	
		EOL	EF146-150					
	OS400J**	TOL%	TF140DU-110	9000	CLASS J	400A	100kA	
		EOL	EF146-150					
AF140-30	OS200J**	TOL%	TF140DU-142	9000	CLASS J	200A	100kA	
		EOL	EF146-150					
	OS400J**	TOL%	TF140DU-142	9000	CLASS J	400A	100kA	
		EOL	EF146-150					
AF140-30 NEMA 4	OS200J**	TOL%	TF140DU-142	9000	CLASS J	200A	100kA	
		EOL	EF146-150					
	OS400J**	TOL%	TF140DU-142	9000	CLASS J	400A	100kA	
		EOL	EF146-150					
AF146-30	OS200J**	TOL%	TF140DU-142	9000	CLASS J	200A	100kA	
		EOL	EF146-150					
	OS400J**	TOL%	TF140DU-142	9000	CLASS J	400A	100kA	
		EOL	EF146-150					
AF190-30	OS400J**	TOL%	TA200DU175	9000	CLASS J	400A	100kA	
		EOL	EF205-210	9000				



Power and productivity
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COMBINATION MOTOR CONTROLLERS AF
RANGE **TYPE A**
UL FILE E193298

1SXU100103D0202

Revision: X
DATE: 11/4/2020

CONTACTOR 3 phase ratings	FUSED DISCONNECT SCPD			OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	200-600 VAC		
		TOL	EOL			FUSE CLASS	MAX SIZE	SCCR kA
AF205-30	OS400J**	TOL%		TA200DU200	9000	CLASS J	400A	100kA
		EOL		EF205-210	9000			
AF265-30	OS600J**	TOL		-	-	CLASS J	600A	100kA
		EOL		E320DU320	20736			
AF265-30 NEMA 5	OS600J**	TOL		-	-	CLASS J	600A	100kA
		EOL		EF370DU380	20736			
AF305-30	OS600J**	TOL		-	-	CLASS J	600A	100kA
		EOL		EF370DU380	20736			
AF370-30	OS600J**	TOL		-	-	CLASS J	600A	100kA
		EOL		EF370DU380	20736			
AF400-30	OS800L**	TOL		-	-	CLASS L	800A	100kA
		EOL		EF460-500	27648			
		EOL		E500DU500	27648			
AF460-30	OS800L**	TOL		-	-	CLASS L	800A	100kA
		EOL		EF460-500	27648			
		EOL		E500DU500	27648			
AF460-30 NEMA 6	OS800L**	TOL		-	-	CLASS L	800A	100kA
		EOL		EF460-500	27648			
		EOL		E500DU500	27648			
AF580-30	OS1200L**	TOL		-	-	CLASS L	1200A	100kA
		EOL		EF750DU800	64800			
		EOL		E800DU800	64800			
AF750-30	OS1200L**	TOL		-	-	CLASS L	1200A	100kA
		EOL		EF750DU800	64800			
		EOL		E800DU800	64800			
AF750-30 NEMA 7	OS1200L**	TOL		-	-	CLASS L	1200A	100kA
		EOL		EF750DU800	64800			
		EOL		E800DU800	64800			
AF750-30	OETL-NF1600**	TOL		-	-	CLASS L	1600A	100kA
		EOL		EF750DU800	64800			
		EOL		E800DU800	64800			
AF750-30 NEMA 7	OETL-NF1600**	TOL		-	-	CLASS L	1600A	100kA
		EOL		EF750DU800	64800			
		EOL		E800DU800	64800			



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COMBINATION MOTOR CONTROLLERS AF
RANGE **TYPE A**
UL FILE E193298

1SXU100103D0202

Revision: X

DATE: 11/4/2020

CONTACTOR		FUSED DISCONNECT SCPD	TOL EOL	OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	200-600 VAC		
3 phase ratings						FUSE CLASS	MAX SIZE	SCCR kA

TYPE A MOTOR STARTERS. SEE APPROPRIATE SPREADSHEET FOR OTHER STARTER TYPES.

** = Pole Arrangement

03 = Mechanism on Left and 3 poles on right of mechanism

30 = Mechanism on Right and 3 poles on left of mechanism

12 = 1 Pole on Left of mechanism, Mechanism in middle and 2 Poles on Right of mechanism

% = Maximum size Overload may not be applicable for all voltages due to contactor ratings at different voltages.

For Standard SCCR Fault ratings and Fuse let through refer to UL508A Tables SB4.1 and SB4.2 respectively.

For standard Horsepower ratings per voltage refer to UL508A Table 50.1

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ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE C UL FILE E193298															1SXU100103D0202						
																	Revision	X					
																	DATE	11/4/2020					
CONTACTOR	MCCB MAX SIZE	TOL EOL	OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	UL LISTED CIRCUIT BREAKER															CIRCUIT BREAKER CONFIGURATOR			
					kA @ ≤ 240VAC ^{1,2}					kA @ ≤ 480VAC ³					kA @ 600VAC ⁴								
3 phase ratings					N	S	H	L	V	X <	N	S	H	L	V	X <	N	S	H	L	V	X <	COMMENTS
AF09-30	XT1*050TMF	TOL%	TF42-10	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF19-18.9		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*050TMF	TOL%	TF42-10	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
XT2*050EKIP^	TOL%	TF42-10	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload	
	EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*050^W	TOL%	TF42-10	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
AF09-30 NEMA 00	XT1*050TMF	TOL%	TF42-10	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF19-18.9		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*050TMF	TOL%	TF42-10	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
XT2*050EKIP^	TOL%	TF42-10	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload	
	EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*050^W	TOL%	TF42-10	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
AF12-30	XT1*050TMF	TOL%	TF42-13	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF19-18.9		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*050TMF	TOL%	TF42-13	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
XT2*050EKIP^	TOL%	TF42-13	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload	
	EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*050^W	TOL%	TF42-13	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
AF12-30 NEMA 0	XT1*050TMF	TOL%	TF42-13	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF19-18.9		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*050TMF	TOL%	TF42-13	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
XT2*050EKIP^	TOL%	TF42-13	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload	
	EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*050^W	TOL%	TF42-13	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
AF16-30	XT1*050TMF	TOL%	TF42-20	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF19-18.9		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*050TMF	TOL%	TF42-20	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
XT2*050EKIP^	TOL%	TF42-20	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload	
	EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*050^W	TOL%	TF42-20	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
AF26-30	XT1*100TMF	TOL%	TF42-29	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF45-30		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*100TM^	TOL%	TF42-29	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	
		EOL%	EF45-30		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*100EKIP^	TOL%	TF42-29	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	
EOL%		EF19-18.9	65		100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*100^W	TOL%	TF42-29	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF45-30		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
Ts3*050TW	TOL%	TF42-29	1536	65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-		
	EOL%	EF45-30		65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-		
AF26-30 NEMA 1	XT1*100TMF	TOL%	TF42-29	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF19-18.9		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*100TM^	TOL%	TF42-29	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	
		EOL%	EF19-18.9		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*100EKIP^	TOL%	TF42-29	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	
EOL%		EF19-18.9	65		100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
T2*100^W	TOL%	TF42-29	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-		
Ts3*050TW	TOL%	TF42-29	1536	65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-		
	EOL%	EF19-18.9		65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-		

ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE C UL FILE E193298															1SXU100103D0202						
		Revision		X		DATE		11/4/2020															
CONTACTOR	MCCB MAX SIZE	TOL EOL	OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	UL LISTED CIRCUIT BREAKER															CIRCUIT BREAKER CONFIGURATOR	COMMENTS		
					kA @ ≤ 240VAC ^{1,2}					kA @ ≤ 480VAC ³					kA @ 600VAC ⁴								
3 phase ratings					N	S	H	L	V	X<	N	S	H	L	V	X<	N	S	H	L	V	X<	
AF30-30	XT1*100TMF	TOL%	TF42-35	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF45-45		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*100TM ^A	TOL%	TF42-35	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	
		EOL%	EF45-45		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*100EKIP ^A	TOL%	TF42-35	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	
		EOL%	EF45-45		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	T2*100 ^A W	TOL%	TF42-35	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF45-45		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	
	Ts3*050TW	TOL%	TF42-35	1536	65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-	
		EOL%	EF45-45		65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-	
AF38-30	XT1*100TMF	TOL%	TF42-35	1536	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF45-45		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*100TM ^A	TOL%	TF42-35	1536	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	
		EOL%	EF45-45		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*100EKIP ^A	TOL%	TF42-35	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	
		EOL%	EF45-45		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	T2*100 ^A W	TOL%	TF42-35	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF45-45		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	
	Ts3*050TW	TOL%	TF42-35	1536	65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-	
		EOL%	EF45-45		65	-	65	65	-	-	25	-	50	65	-	-	14	-	14	25	-	-	
AF40-30	XT1*125TMF	TOL%	TF65-47	2560	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*125TM ^A	TOL%	TF65-47	2560	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF65-47	2560	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF65-47	2560	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	65	65	65	65	65<	25	35	65	65	65	65<	-	-	-	-	-	-	
XT4*250EKIP ^A	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	65	65	65	65	-	25	35	65	65	65	-	-	-	-	-	-	-		
T4*250 ^A W	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	65	65	65	65	-	25	35	65	65	65	-	-	-	-	-	-	-		
AF40-30 NEMA 2	XT1*125TMF	TOL%	TF65-47	2560	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*125TM ^A	TOL%	TF65-47	2560	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF65-47	2560	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF65-47	2560	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	65	65	65	65	65<	25	35	65	65	65	65<	-	-	-	-	-	-	
XT4*250EKIP ^A	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	65	65	65	65	-	25	35	65	65	65	-	-	-	-	-	-	-		
T4*250 ^A W	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	65	65	65	65	-	25	35	65	65	65	-	-	-	-	-	-	-		
AF52-30	XT1*125TMF	TOL%	TF65-60	2560	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*125TM ^A	TOL%	TF65-60	2560	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF65-60	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF65-60	2560	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF65-60	2560	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	65	65	65	65	65<	25	35	65	65	65	65<	-	-	-	-	-	-	
XT4*250EKIP ^A	TOL%	TF65-60	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	65	65	65	65	-	25	35	65	65	65	-	-	-	-	-	-	-		
T4*250 ^A W	TOL%	TF65-60	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	65	65	65	65	-	25	35	65	65	65	-	-	-	-	-	-	-		

ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE C UL FILE E193298															1SXU100103D0202						
																	Revision	X					
																	DATE	11/4/2020					
CONTACTOR	MCCB MAX SIZE	TOL EOL	OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	UL LISTED CIRCUIT BREAKER															CIRCUIT BREAKER CONFIGURATOR	COMMENTS		
					kA @ ≤ 240VAC ^{1,2}					kA @ ≤ 480VAC ³					kA @ 600VAC ⁴								
3 phase ratings					N	S	H	L	V	X<	N	S	H	L	V	X<	N	S	H	L	V	X<	
AF65-30	XT1*125TMF	TOL%	TF65-67	2560	50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		50	65	65	-	-	-	25	35	65	-	-	-	-	-	-	-	-	-	
	XT2*125TM ^A	TOL%	TF65-67	2560	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF65-67	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF65-67	2560	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF65-67	2560	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	100<	25	35	65	100	100	100<	-	-	-	-	-	-	
	XT4*250EKIP ^A	TOL%	TF65-67	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
T4*250 ^A W	TOL%	TF65-67	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-		
AF80-30	XT2*125TM ^A	TOL%	TF96-87	4800	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF96-87	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF96-87	4800	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF96-100		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF96-87	4800	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	100<	25	35	65	100	100	100<	-	-	-	-	-	-	
	XT4*250EKIP ^A	TOL%	TF96-87	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	T4*250 ^A W	TOL%	TF96-87	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
AF80-30 NEMA 3	XT2*125TM ^A	TOL%	TF96-87	4800	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF96-87	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF96-87	4800	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF96-100		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF96-87	4800	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	100<	25	35	65	100	100	100<	-	-	-	-	-	-	
	XT4*250EKIP ^A	TOL%	TF96-87	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	T4*250 ^A W	TOL%	TF96-87	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
AF96-30	XT2*125TM ^A	TOL%	TF96-96	4800	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	35	42	50	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	100	25	35	65	100	100	100	-	-	-	-	-	-	
	XT2*125EKIP ^A	TOL%	TF96-96	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	XT3*200TMF	TOL%	TF96-96	4800	35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF96-100		35	35	-	-	-	-	35	35	-	-	-	-	-	-	-	-	-	-	
	XT4*250TM ^A	TOL%	TF96-96	4800	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	100<	25	35	65	100	100	100<	-	-	-	-	-	-	
	XT4*250EKIP ^A	TOL%	TF96-96	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
	T4*250 ^A W	TOL%	TF96-96	4800	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	600vac ratings with Thermal Overload
		EOL%	EF96-100		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	
AF116-30	XT4*250TM ^A	TOL%	TF140DU-110	9000	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	
		EOL%	EF146-150		65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	50	65	65<	
	XT4*250EKIP ^A	TOL%	TF140DU-110	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	
		EOL%	EF146-150		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	
	T4*250 ^A W	TOL%	TF140DU-110	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL%	EF146-150		65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
T5*400 ^A W	TOL%	TF140DU-110	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	ratings with Thermal Overload	
	EOL%	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF140-30	XT4*250TM ^A	TOL%	TF140DU-142	9000	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	
		EOL%	EF146-150		65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	50	65	65<	
	XT4*250EKIP ^A	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	
		EOL%	EF146-150		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	
	T4*250 ^A W	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL%	EF146-150		65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
T5*400 ^A W	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	ratings with Thermal Overload	
	EOL%	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE C UL FILE E193298																		1SXU100103D0202			
																				Revision	X		
																		DATE		11/4/2020			
CONTACTOR	MCCB MAX SIZE	TOL EOL	OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	UL LISTED CIRCUIT BREAKER															CIRCUIT BREAKER CONFIGURATOR	COMMENTS		
					kA @ ≤ 240VAC ^{1,2}					kA @ ≤ 480VAC ³					kA @ 600VAC ⁴								
3 phase ratings					N	S	H	L	V	X<	N	S	H	L	V	X<	N	S	H	L	V	X<	
AF140-30 NEMA 4	XT4*250TM ^Δ	TOL%	TF140DU-142	9000	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	
		EOL	EF146-150		65	65	65	65	65	65<	25	35	65	65	65	65<	18	22	25	50	65	65<	
	XT4*250EKIP ^Δ	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	
		EOL	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	22	25	50	65	-	
	T4*250 ^Δ W	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	25	35	65	65	-	
	T5*400 ^Δ W	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	ratings with Thermal Overload
		EOL	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AF146-30	XT4*250TM ^Δ	TOL%	TF140DU-142	9000	65	100	100	100	100	100<	25	35	65	100	100	100<	18	22	25	50	65	100<	
		EOL	EF146-150		65	65	65	65	65	65<	25	35	65	65	65	65<	18	22	25	50	65	65<	
	XT4*250EKIP ^Δ	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	
		EOL	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	22	25	50	65	-	
	T4*250 ^Δ W	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	25	35	65	65	-	
	T5*400 ^Δ W	TOL%	TF140DU-142	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	Ratings with Thermal Overload
		EOL	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AF190-30	T5*400 ^Δ W	TOL%	TA200DU175	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
	T5*400 ^Δ W	EOL	EF205-210	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
AF205-30	T5*400 ^Δ W	TOL%	TA200DU200	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
	T5*400 ^Δ W	EOL	EF205-210	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
AF265-30	T5*600 ^Δ W	EOL	E320DU320	20736	65	100	100	100	100	-	25	35	65	100	100	-	25	35	65	100	100	-	
AF265-30 NEMA 5	T5*600 ^Δ W	EOL	EF370DU380	20736	65	100	100	100	100	-	25	35	65	100	100	-	25	35	65	100	100	-	
AF305-30	T5*600 ^Δ W	EOL	EF370DU380	20736	65	100	100	100	100	-	25	35	65	100	100	-	25	35	65	100	100	-	
AF370-30	T5*600 ^Δ W	EOL	EF370DU380	20736	65	100	100	100	100	-	25	35	65	100	100	-	25	35	65	100	100	-	
AF400-30	T6*800 ^Δ W	EOL	EF460-500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
		EOL	E500DU500		65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
AF460-30	T6*800 ^Δ W	EOL	EF460-500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
		EOL	E500DU500		65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
AF460-30 NEMA 6	T6*800 ^Δ W	EOL	EF460-500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
		EOL	E500DU500		65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
AF580-30	T7*1000 ^Δ W	EOL	EF750DU800	64800	-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
		EOL	E800DU800		-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
AF580-30	T7M*1000#	EOL	EF750DU800	64800	-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
		EOL	E800DU800		-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
AF750-30	T7*1200 ^Δ W	EOL	EF750DU800	64800	-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
		EOL	E800DU800		-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
AF750-30 NEMA 7	T7*1200 ^Δ W	EOL	EF750DU800	64800	-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
		EOL	E800DU800		-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
AF750-30	T7M*1200#	EOL	EF750DU800	64800	-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
		EOL	E800DU800		-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
AF750-30 NEMA 7	T7M*1200#	EOL	EF750DU800	64800	-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	
		EOL	E800DU800		-	65	100	100	-	-	-	50	65	100	-	-	-	25	42	42	-	-	

TYPE C MOTOR STARTERS. SEE APPROPRIATE SPREADSHEET FOR OTHER STARTER TYPES.
 * = Interrupt rating (Breaking Capacity) per Circuit Breaker - N=Normal, S=Standard, H=High, L=Extra High, V=Very High, X=Extreme High
 Δ = Trip Unit Version for CB. - B=Electronic LS/I (T2,T4,T5x400,T5x600,T6,T7) C=Electronic LSI (T4,T5x400,T5x600,T6,T7) E=Electronic LSIG (T4,T5x400,T5x600,T6,T7) EKIP = Electronic LS/I, LSI, LSIG (XT2, XT4) EKIP = Electronic (MCPB) M-LIU (XT2,XT4) T/TM = Thermal Mag - (T1,T2,T3,Ts3,T4,T5x400,T6 / XT1,XT2,XT3,XT4)
 < = XT4X CIRCUIT BREAKER MAX TRIP UNIT 150A
 # T7M OR T8 Contact ABB
 % = Maximum size Overload may not be applicable for all voltages due to contactor ratings at different voltages.
 For Standard SCCR Fault ratings refer to UL508A Table SB4.1. For standard current at each horsepower ratings per Voltage refer to UL508A Table 50.1 and see notes 1-4 below.
 1 - 200-208vac 2 - 220-240vac 3 - 380 & 440-480vac 4 - 550-600vac
 ABB TECHNICAL SUPPORT - TELEPHONE 1-888-385-1221
 ABB TECHNICAL SUPPORT - EMAIL - LVPS.SUPPORT@US.ABB.COM
 It is the responsibility of the purchasers or users of ABB and/or T&B products to ensure the ratings are correctly applied.

ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE D														1SXU100103D0202									
																		Revision	X						
																		DATE	11/4/2020						
																		Not Print	Do Not Print	Do Not					
CONTACTOR	MCCB		OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	kA @ ≤ 240VAC ^{1,2}						kA @ 480VAC ³						kA @ 600VAC ⁴						COMMENTS		
3 phase ratings	MAX SIZE	TOL			N	S	H	L	V	X	N	S	H	L	V	X	N	S	H	L	V	X			
AF09-30	XT1H050MCP	TOL	TF42-13	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF19-18.9		-	-	65	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-
	XT2H050MCP	TOL	TF42-13	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload
		EOL	EF19-18.9		-	-	100	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-
	XT2*050EKIPI	TOL	TF42-13	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	-	-	-
T2*050^W	TOL	TF42-13	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL	EF19-18.9		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
AF09-30 NEMA 00	XT1H050MCP	TOL	TF42-13	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF19-18.9		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
	XT2H050MCP	TOL	TF42-13	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload	
		EOL	EF19-18.9		-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	600vac ratings with Thermal Overload
	XT2*050EKIPI	TOL%	TF42-13	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	-	-	-
T2*050^W	TOL%	TF42-13	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
AF12-30	XT1H050MCP	TOL	TF42-13	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF19-18.9		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
	XT2H050MCP	TOL	TF42-13	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload	
		EOL	EF19-18.9		-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	600vac ratings with Thermal Overload
	XT2*050EKIPI	TOL%	TF42-13	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	-	-	-
T2*050^W	TOL%	TF42-13	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
AF12-30 NEMA 0	XT1H050MCP	TOL	TF42-13	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF19-18.9		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
	XT2H050MCP	TOL	TF42-13	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload	
		EOL	EF19-18.9		-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	600vac ratings with Thermal Overload
	XT2*050EKIPI	TOL%	TF42-13	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	-	-	-
T2*050^W	TOL%	TF42-13	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
AF16-30	XT1H050MCP	TOL	TF42-20	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF19-18.9		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
	XT2H050MCP	TOL	TF42-20	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload	
		EOL	EF19-18.9		-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	600vac ratings with Thermal Overload
	XT2*050EKIPI	TOL%	TF42-20	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF19-18.9		65	100	100	100	100	-	25	35	65	100	100	-	-	-	-	-	-	-	-	-	-
T2*050^W	TOL%	TF42-20	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF19-18.9		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
AF26-30	XT1H100MCP	TOL	TF42-35	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF45-45		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
	XT2H100MCP	TOL	TF42-35	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload	
		EOL	EF45-45		-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	600vac ratings with Thermal Overload
	XT2*100EKIPI	TOL%	TF42-35	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF45-45		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
T2*100^W	TOL%	TF42-35	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF45-45		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
AF26-30 NEMA 1	XT1H100MCP	TOL	TF42-35	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF45-45		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
	XT2H100MCP	TOL	TF42-35	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	25	-	-	-	600vac ratings with Thermal Overload	
		EOL	EF45-45		-	-	100	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	600vac ratings with Thermal Overload
	XT2*100EKIPI	TOL%	TF42-35	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF45-45		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	-	600vac ratings with Thermal Overload
T2*100^W	TOL%	TF42-35	1536	-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF45-45		-	65	65	-	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings

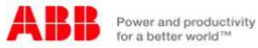
ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE D														1SXU100103D0202									
																		Revision X		DATE 11/4/2020		Not Print Do Not Print Do Not			
CONTACTOR	MCCB		OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	kA @ ≤ 240VAC ^{1,2}						kA @ 480VAC ³						kA @ 600VAC ⁴						CIRCUIT BREAKER CONFIGURATOR	COMMENTS	
3 phase ratings	MAX SIZE	TOL			N	S	H	L	V	X	N	S	H	L	V	X	N	S	H	L	V	X			
		EOL																							
AF30-30	XT1H100MCP	TOL	TF42-35	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF45-45		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-		-
	XT2H100MCP	TOL	TF42-35	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		
		EOL	EF45-45		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		-
	XT2*100EKIPI	TOL%	TF42-35	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
		EOL%	EF45-45		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
T2*100^W	TOL%	TF42-35	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF45-45		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-		-
AF38-30	XT1H100MCP	TOL	TF42-38	1536	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL	EF19-18.9		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-		-
	XT2H100MCP	TOL	TF42-38	1536	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		
		EOL	EF19-18.9		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		-
	XT2*100EKIPI	TOL%	TF42-38	1536	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
		EOL%	EF45-45		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
T2*100^W	TOL%	TF42-38	1536	-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
	EOL%	EF45-45		-	65	65	-	-	-	-	35	65	-	-	-	-	-	-	-	-	-	-	-		-
AF40-30	XT1H125MCP	TOL%	TF65-47	2560	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL%	EF65-70		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-		-
	XT2H125MCP	TOL%	TF65-47	2560	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		-
	XT2*125EKIPI	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
	XT3S200MCP	TOL%	TF65-47	2560	-	35	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		-	35	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	
	XT4H250MCP	TOL%	TF65-47	2560	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	-	
	XT4*250EKIPI	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	-		
T4*250E5W	TOL%	TF65-47	2560	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	-	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	-	-		
AF40-30 NEMA 2	XT1H125MCP	TOL%	TF65-47	2560	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL%	EF65-70		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-		-
	XT2H125MCP	TOL%	TF65-47	2560	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		-
	XT2*125EKIPI	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
	XT3S200MCP	TOL%	TF65-47	2560	-	35	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		-	35	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	
	XT4*250MCP	TOL%	TF65-47	2560	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	-	
	XT4*250EKIPI	TOL%	TF65-47	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	-		
T4*250E5W	TOL%	TF65-47	2560	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	-	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	-	-		
AF52-30	XT1H125MCP	TOL%	TF65-60	2560	-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings	
		EOL%	EF65-70		-	-	65	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-		-
	XT2H125MCP	TOL%	TF65-60	2560	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-		-
	XT2*125EKIPI	TOL%	TF65-60	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	35	42	-	-		
	XT3S200MCP	TOL%	TF65-60	2560	-	35	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	No 600VAC ratings
		EOL%	EF65-70		-	35	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	
	XT4H250MCP	TOL%	TF65-60	2560	-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	-	600vac ratings with Thermal Overload
		EOL%	EF65-70		-	-	100	-	-	-	-	-	65	-	-	-	-	-	25	-	-	-	-	-	
	XT4*250EKIPI	TOL%	TF65-60	2560	65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	-	600vac ratings with Thermal Overload	
		EOL%	EF65-70		65	100	100	100	100	-	25	35	65	100	100	-	18	22	25	50	65	-	-		
T4*250E5W	TOL%	TF65-60	2560	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	-	-	600vac ratings with Thermal Overload	
	EOL%	EF65-70		65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	-	-		

ABB Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS AF RANGE TYPE D														1SXU100103D0202							
																		Revision X		DATE 11/4/2020		Not Print Do Not Print Do Not	
CONTACTOR	MCCB		OVERLOAD RELAY MAX SIZE	Min Enclosure VOL (IN ³)	kA @ ≤ 240VAC ^{1,2}						kA @ 480VAC ³						kA @ 600VAC ⁴						COMMENTS
3 phase ratings	MAX SIZE	TOL			N	S	H	L	V	X	N	S	H	L	V	X	N	S	H	L	V	X	
AF140-30	XT4H250MCP	TOL%	TF140DU-110	9000	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-
		EOL%	EF146-150		-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
	XT4*250EKIPI	TOL%	TF140DU-110	9000	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	50	65	100	<
		EOL%	EF146-150		65	65	65	65	65	65	25	35	65	65	65	65	18	22	25	50	65	65	<
	T4*250E5W	TOL%	TF140DU-110	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL%	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	25	35	65	65	-	
	T5*400E5W	TOL%	TF140DU-142	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
		EOL%	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AF140-30 NEMA 4	XT4H250MCP	TOL%	TF140DU-110	9000	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-
		EOL%	EF146-150		-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-
	XT4*250EKIPI	TOL%	TF140DU-110	9000	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	50	65	100	<
		EOL%	EF146-150		65	65	65	65	65	65	25	35	65	65	65	65	18	22	25	50	65	65	<
	T4*250E5W	TOL%	TF140DU-110	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL%	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	25	35	65	65	-	
	T5*400E5W	TOL%	TF140DU-142	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
		EOL%	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AF146-30	XT4H250MCP	TOL%	TF140DU-110	9000	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-
		EOL%	EF146-150		-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-
	XT4*250EKIPI	TOL%	TF140DU-110	9000	65	100	100	100	100	100	25	35	65	100	100	100	18	22	25	50	65	100	<
		EOL%	EF146-150		65	65	65	65	65	65	25	35	65	65	65	65	18	22	25	50	65	65	<
	T4*250E5W	TOL%	TF140DU-110	9000	65	100	100	100	100	-	25	35	65	100	100	-	18	25	35	65	100	-	
		EOL%	EF146-150		65	65	65	65	65	-	25	35	65	65	65	-	18	25	35	65	65	-	
	T5*400E5W	TOL%	TF140DU-142	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
		EOL%	EF146-150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AF190-30	T5*400E5W	TOL%	TA200DU175	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
	T5*400E5W	EOL	EF205-210	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
AF205-30	T5*400E5W	TOL%	TA200DU200	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
	T5*400E5W	EOL	EF205-210	9000	65	100	100	100	-	-	25	35	65	100	-	-	18	25	35	65	-	-	
AF265-30	T5*600E5W	EOL	E320DU320	20736	65	100	100	100	-	-	25	35	65	100	-	-	25	35	65	100	-	-	
AF265-30 NEMA 5	T5*600E5W	EOL	EF370DU380	20736	65	100	100	100	-	-	25	35	65	100	-	-	25	35	65	100	-	-	
AF305-30	T5*600E5W	EOL	EF370DU380	20736	65	100	100	100	-	-	25	35	65	100	-	-	25	35	65	100	-	-	
AF370-30	T5*600E5W	EOL	EF370DU380	20736	65	100	100	100	-	-	25	35	65	100	-	-	25	35	65	100	-	-	
		EOL	EF370DU380	20736	65	100	100	100	-	-	25	35	65	100	-	-	25	35	65	100	-	-	
AF400-30	T6*800E5W	EOL	EF460-500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
		EOL	E500DU500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
AF460-30	T6*800E5W	EOL	EF460-500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
		EOL	E500DU500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
AF460-30 NEMA 6	T6*800E5W	EOL	EF460-500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	
		EOL	E500DU500	27648	65	100	100	100	-	-	25	35	65	100	-	-	20	25	35	42	-	-	

TYPE D MOTOR STARTERS. SEE APPROPRIATE SPREADSHEET FOR OTHER STARTER TYPES.
 * = Interrupt rating (Breaking Capacity) per Circuit Breaker - N=Normal, S=Standard, H=High, L=Extra High, V=Very High, X=Extreme High
 ^ = Trip Unit Version for CB - MCP=Mag Only Magnetic (T2, XT1,XT2,XT3,XT4) E5W=Mag Only Electronic (T2,T4,T5,T6,T7) EKIP I - Mag Only Electronic (XT2,XT4)
 < = XT4X CIRCUIT BREAKER MAX TRIP UNIT 150A
 % = Maximum size Overload may not be applicable for all voltages due to contactor ratings at different voltages.

For Standard SCCR Fault ratings refer to UL508A Table SB4.1. For standard Horsepower ratings per voltage refer to UL508A Table 50.1 and see notes 1-4 below.
 1 - 200-208vac 2 - 220-240vac 3 - 380 & 440-480vac 4 - 550-600vac

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**COMBINATION MOTOR CONTROLLERS MS TYPE E
(SINGLE PHASE ONLY)**

1SXU100103D0202

Revision X

DATE 11/4/2020

MSP MAX SIZE OR RANGE*	UL FILE NUMBER	AUXILIARY AND/OR ADAPTER	CURRENT LIMITER MODULE	Min Enclosure VOL (IN ³)	kA @ 110-120VAC	kA @ 200VAC	kA @ 208VAC	kA @ 220-240VAC	COMMENTS
MS132-10	E345003	S1-M3-[25][35]	-	218	65	65	65	65	
MS132-12 TO MS132-32	E345003	S1-M3-[25][35]	-	218	30	30	30	30	
MS132-12 TO MS132-32	E345003	S1-M3-[25][35]	S803W-SCL [32][63][100]-100	218	65	65	65	65	
MS165-16 TO MS165-65	E345003	-	-	436	65	65	65	65	
MS45x-50	E195536	SK4-11	-	794	65	65	65	65	
MS497-32	E195536	DX495SK4-11	-	794	65	65	65	65	
MS49y-40 TO MS49y-100	E195536	DX495SK4-11	-	794	65	65	65	65	

*Devices are rated "break-all-lines"; for 1-phase applications, all poles must be utilized and present within the circuit.

** A single S803W-SCL***-SR current limiter may be used with multiple Type E Combination Motor Controllers, as long as the sum of the loads controlled does not exceed the rating of the current limiter.

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**COMBINATION MOTOR CONTROLLERS MS TYPE E
(THREE PHASE ONLY)**

1SXU100103D0202	
Revision	X
DATE	11/4/2020

MSP MAX SIZE OR RANGE*	UL FILE NUMBER	AUXILIARY AND/OR ADAPTER	CURRENT LIMITER MODULE	Min Enclosure VOL (IN ³)	kA @ 200VAC	kA @ 208VAC	kA @ 220-240VAC	kA @ 480Y/277VAC [^]	kA @ 600Y/347VAC [^]	COMMENTS
MS132-0.16 TO MS132-4.0	E345003	S1-M3-[25][35]	-	218	65	65	65	65	47	
MS132-6.3 TO MS132-10	E345003	S1-M3-[25][35]	-	218	65	65	65	65	18	
MS132-12 TO MS132-32	E345003	S1-M3-[25][35]	-	218	30	30	30	30	-	
MS132-12 TO MS132-32	E345003	S1-M3-[25][35]	S803W-SCL [32][63][100]-100	218	65	65	65	65	-	
MS165-16 TO MS165-32	E345003	-	-	436	65	65	65	65	30	
MS165-42 TO MS165-65	E345003	-	-	436	65	65	65	65	-	
MS45x-50	E195536	SK4-11	-	794	65	65	65	65	25	
MS497-32	E195536	DX495 SK4-11	-	794	65	65	65	65	30	
MS49y-40 TO MS49y-100	E195536	DX495 SK4-11	-	794	65	65	65	65	see below	
MS49y-40 TO MS49y-75	E195536	DX495 SK4-11	-	794	see above	see above	see above	see above	30	

** A single S803W-SCL***-SR current limiter may be used with multiple Type E Combination Motor Controllers, as long as the sum of the loads controlled does not exceed the rating of the current limiter.

[^] May Rate as Delta voltage (480 or 600 respectively) when combined with upstream branch protection of Fuses or Molded Case Circuit Breaker sized per NEC and reference component combination testing for contactor.

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**COMBINATION MOTOR CONTROLLERS MS TYPE F
(SINGLE PHASE ONLY)*
UL FILE E345003**


1SXU100103D0202	
Revision	X
DATE	11/4/2020

CONTACTOR RANGE	MMP MAX SIZE OR RANGE* 2	CLOSE COUPLER CONTACTOR TO MMP	AUXILIARY AND/OR ADAPTER	CURRENT LIMITER MODULE	Min Enclosure VOL (IN ³)	kA @ 110-120VAC	kA @ 200VAC	kA @ 208VAC	kA @ 220-240VAC	COMMENTS
AF09/Z to AF38/Z	MS132-0.16 TO MS132-16	BEA26-4***	S1-M3-[25][35]	-	218	65	65	65	65	MS132-6.3 requires AF26/Z minimum contactor for ratings see note 2 below
AF09/Z to AF38/Z	MS132-12 TO MS132-16	BEA38-4***	S1-M3-[25][35]	-	218	65	65	65	65	
AF26/Z to AF38/Z	MS132-20 TO MS132-25	BEA38-4***	S1-M3-[25][35]	-	218	30	30	30	30	
AF30/Z to AF38/Z	MS132-32	BEA38-4***	S1-M3-[25][35]	-	218	30	30	30	30	
AF26/Z to AF38/Z	MS132-20 TO MS132-25	BEA38-4***	S1-M3-[25][35]	S803W-SCL [32][63][100]-100	218	65	65	65	65	
AF30/Z to AF38/Z	MS132-32	BEA38-4***	S1-M3-[25][35]	S803W-SCL [32][63][100]-100	218	65	65	65	65	
AF09/Z to AF38/Z	MS165-16 ***	-	-	-	436	65	65	65	65	** No close coupler MS165 to AF09-AF38
AF26/Z to AF38/Z	MS165-20 TO MS165-32 ***	-	-	-	436	65	65	65	65	** No close coupler MS165 to AF09-AF38
AF40 to AF65	MS165-16 TO MS165-65	BEA65-4***	-	-	436	65	65	65	65	

* Devices are rated "break-all-lines"; for 1-phase applications, all poles must be utilized and present within the circuit.
 ** MS165-16 to MS165-32 Type F require wiring if using AF09-AF38; no close coupler available for AF09-AF38 with MS165.
 *** Use of BEA (close coupler) connectors optional with these combinations.

2 - MS132-6.3 Requires Use of AF26/Z to AF38/Z contactor for ratings.

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 Power and productivity for a better world™		COMBINATION MOTOR CONTROLLERS MS / MO TYPE F (THREE PHASE ONLY) Type 1 Coordination UL FILE E345003								1SXU100103D0202	
										Revision	X
										DATE	11/4/2020
CONTACTOR RANGE	MMP MAX SIZE OR RANGE* 2	CLOSE COUPLER CONTACTOR TO MMP	AUXILIARY AND/OR ADAPTER	CURRENT LIMITER MODULE	OLR	Min Enclosure VOL (IN ³)	kA @ 220-240VAC	kA @ 480Y/277VAC ^A	kA @ 600Y/347VAC ^A	COMMENTS	
AF09/Z to AF38/Z	MS132-0.16 TO MS132-4.0	BEA26-4***	S1-M3-[25][35]	-	-	218	100	100	50		
AF09/Z to AF38/Z	MS132-6.3 TO MS132-10	BEA26-4***	S1-M3-[25][35]	-	-	218	100	100	47		
AF09/Z to AF38/Z	MS132-12	BEA38-4***	S1-M3-[25][35]	-	-	218	65	65	30		
AF12/Z to AF38/Z	MS132-16	BEA38-4***	S1-M3-[25][35]	-	-	218	65	65	30		
AF26/Z to AF38/Z	MS132-20	BEA38-4***	S1-M3-[25][35]	-	-	218	65	65			
AF26/Z to AF38/Z	MS132-25	BEA38-4***	S1-M3-[25][35]	-	-	218	50	50			
AF38/Z	MS132-32	BEA38-4***	S1-M3-[25][35]	-	-	218	50	50			
AF26/Z to AF38/Z	MS132-25	BEA38-4***	S1-M3-[25][35]	S803W-SCLxxx-SR	-	218	65	65			
AF38/Z	MS132-32	BEA38-4***	S1-M3-[25][35]	S803W-SCLxxx-SR	-	218	65	65			
AF09/Z to AF38/Z	MS165-16 ***	-	-	-	-	436	65	65	50	** No close coupler MS165 to AF09-AF38	
AF26/Z to AF38/Z	MS165-20 TO MS165-32	-	-	-	-	436	65	65		** No close coupler MS165 to AF09-AF38	
AF40 to AF65	MS165-42 TO MS165-65	BEA65-4***	-	-	-	436	65	65	-		
AF09/Z to AF38/Z	MO132-0.16 TO MO132-6.3	BEA26-4***	S1-M3-[25][35]	-	EF19	218	100	100	50		
AF09/Z to AF38/Z	MO132-10	BEA26-4***	S1-M3-[25][35]	-	EF19	218	100	100	30		
AF09/Z to AF38/Z	MO132-12 to MO132-16	BEA38-4***	S1-M3-[25][35]	-	EF19	218	65	65	30		
AF12/Z to AF38/Z	MO132-20	BEA38-4***	S1-M3-[25][35]	-	EF19	218	65	65			
AF26/Z to AF38/Z	MO132-25	BEA38-4***	S1-M3-[25][35]	-	EF45-30	218	50	50			
AF38/Z	MO132-32	BEA38-4***	S1-M3-[25][35]	-	EF45-30	218	50	50			
AF26/Z to AF38/Z	MO132-25	BEA38-4***	S1-M3-[25][35]	S803W-SCLxxx-SR	EF45-30	218	65	65			
AF38/Z	MO132-32	BEA38-4***	S1-M3-[25][35]	S803W-SCLxxx-SR	EF45-30	218	65	65			



**COMBINATION MOTOR CONTROLLERS MS / MO TYPE F
(THREE PHASE ONLY) Type 1 Coordination
UL FILE E345003**

1SXU100103D0202	
Revision	X
DATE	11/4/2020

CONTACTOR RANGE	MMP MAX SIZE OR RANGE* 2	CLOSE COUPLER CONTACTOR TO MMP	AUXILIARY AND/OR ADAPTER	CURRENT LIMITER MODULE	OLR	Min Enclosure VOL (IN ³)	kA @ 220-240VAC	kA @ 480Y/277VAC [^]	kA @ 600Y/347VAC [^]	COMMENTS
AF09/Z to AF38/Z	MO132-0.16 TO MO132-4.0	BEA26-4***	S1-M3-[25][35]	-	TF42	218	100	65	50	
AF09/Z to AF38/Z	MO132-6.3	BEA26-4***	S1-M3-[25][35]	-	TF42	218	100	65	47	
AF09/Z to AF38/Z	MO132-10 TO MO132-12	BEA26-4***	S1-M3-[25][35]	-	TF42	218	100	65	30	
AF12/Z to AF38/Z	MO132-16	BEA38-4***	S1-M3-[25][35]	-	TF42	218	65	65	30	
AF16/Z to AF38/Z	MO132-20	BEA38-4***	S1-M3-[25][35]	-	TF42	218	65	65	30	
AF26/Z to AF38/Z	MO132-25	BEA38-4***	S1-M3-[25][35]	-	TF42	218	50	50	30	
AF38/Z	MO132-32	BEA38-4***	S1-M3-[25][35]	-	TF42	218	50	50	30	
AF26/Z to AF38/Z	MO132-25	BEA38-4***	S1-M3-[25][35]	S803W-SCLxxx-SR	TF42	218	65	65	30	
AF38/Z	MO132-32	BEA38-4***	S1-M3-[25][35]	S803W-SCLxxx-SR	TF42	218	65	65	30	
AF09/Z to AF38/Z	MO165-16	-	-	-	EF19	436	65	65	50	** No close coupler MS165 to AF09-AF38
AF26/Z to AF38/Z	MO165-20 TO MO165-32	-	-	-	EF45-30	436	65	65	50	** No close coupler MS165 to AF09-AF38
AF40 to AF65	MO165-42 TO MO165-65	BEA65-4***	-	-	EF65	436	65	65	-	
AF09/Z to AF38/Z	MO165-16 TO MO165-20	-	-	-	TF42	436	65	65	30	** No close coupler MS165 to AF09-AF38
AF26/Z to AF38/Z	MO165-25 TO MO165-32	-	-	-	TF42	436	65	65	50	** No close coupler MS165 to AF09-AF38
AF40 to AF65	MO165-42 TO MO165-65	BEA65-4***	-	-	TF65	436	65	65	-	

** MS165-16 to MS165-32 Type F require wiring if using AF09-AF38; no close coupler available for AF09-AF38 with MS165.
*** Use of BEA (close coupler) connectors optional with these combinations.

[^] May Rate as Delta voltage (480 or 600 respectively) when combined with upstream branch protection of Fuses or Molded Case Circuit Breaker sized per NEC and reference component combination testing for contactor.

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**COMBINATION MOTOR CONTROLLERS MS / MO TYPE F
(THREE PHASE ONLY) Type 2 Coordination
UL FILE E345003**

1SXU100103D0202

Revision X

DATE 11/4/2020

CONTACTOR RANGE	MMP MAX SIZE OR RANGE ²	CLOSE COUPLER CONTACTOR TO MMP	AUXILIARY AND/OR ADAPTER	CURRENT LIMITER MODULE	OLR	Min Enclosure VOL (IN ³)	kA @ 220-240VAC	kA @ 480Y/277VAC [^]	kA @ 600Y/347VAC [^]	COMMENTS
AF26/Z to AF38/Z	MS132-0.16 TO MS132-10	BEA26-4***	S1-M3-[25][35]	-	-	218	65	65	47	
AF26/Z to AF38/Z	MS132-12 to MS132-32	BEA38-4***	S1-M3-[25][35]	-	-	218	30	30		

[^] May Rate as Delta voltage (480 or 600 respectively) when combined with upstream branch protection of Fuses or Molded Case Circuit Breaker sized per NEC and reference component combination testing for contactor.

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ACS150	Frame	Input Amps	MMP Type E ^{1, 2}	1SXU100103D0202	
1 Phase 200 - 240V				Revision	X
ACS150-01x-02A4-2	R0	6.1	MS132-6.3 & S1-M3-25 ³	DATE	11/4/2020
ACS150-01x-04A7-2	R1	11.4	MS451-16E		
ACS150-01x-06A7-2	R1	16.1	MS451-20E		
ACS150-01x-07A5-2	R2	16.8	MS451-20E		
ACS150-01x-09A8-2	R2	21.0	MS451-25E		
3 Phase 200 - 240V					
ACS150-03x-02A4-2	R0	4.3	MS132-6.3 & S1-M3-25 ³		
ACS150-03x-03A5-2	R0	6.1	MS132-6.3 & S1-M3-25 ³		
ACS150-03x-04A7-2	R1	7.6	MS132-10 & S1-M3-25 ³		
ACS150-03x-06A7-2	R1	11.8	MS451-16E		
ACS150-03x-07A5-2	R1	12.0	MS451-16E		
ACS150-03x-09A8-2	R2	14.3	MS451-16E		
3 Phase 380, 400, 415V ⁴					
ACS150-03x-01A2-4	R0	2.2	MS132-2.5 & S1-M3-25 ³		
ACS150-03x-01A9-4	R0	3.6	MS132-4.0 & S1-M3-25 ³		
ACS150-03x-02A4-4	R1	4.1	MS132-6.3 & S1-M3-25 ³		
ACS150-03x-03A3-4	R1	6.0	MS132-6.3 & S1-M3-25 ³		
ACS150-03x-04A1-4	R1	6.9	MS132-10 & S1-M3-25 ³		
ACS150-03x-05A6-4	R1	9.6	MS132-10 & S1-M3-25 ³		
ACS150-03x-07A3-4	R1	11.6	MS451-16E		
ACS150-03x-08A8-4	R1	13.6	MS451-16E		
3 Phase 440, 460, 480V ⁴					
ACS150-03x-01A2-4	R0	1.8	MS132-2.5 & S1-M3-25 ³		
ACS150-03x-01A9-4	R0	3.0	MS132-4.0 & S1-M3-25 ³		
ACS150-03x-02A4-4	R1	3.4	MS132-4.0 & S1-M3-25 ³		
ACS150-03x-03A3-4	R1	5.0	MS132-6.3 & S1-M3-25 ³		
ACS150-03x-04A1-4	R1	5.8	MS132-6.3 & S1-M3-25 ³		
ACS150-03x-05A6-4	R1	8.0	MS132-10 & S1-M3-25 ³		
ACS150-03x-07A3-4	R1	9.7	MS132-10 & S1-M3-25 ³		
ACS150-03x-08A8-4	R1	11.3	MS451-16E		



¹ All manual motor protectors listed are Type E self-protected up to 65kA.

² Manual motor protectors may require adjusting the trip limit from the factory setting at or above the drive input Amps to avoid nuisance tripping. If the manual motor protector is set to the maximum current trip level and nuisance tripping is occurring, then select the next size MMP. (MS132-10 is the highest size in MS132 frame size to meet Type E at 65kA; the next size up is the MS451-16E)

³ Requires use of the S1-M3-25 line side feeder terminal with the manual motor protector to meet Type E self-protection class.

⁴ 480Y/277V only

ACS310	Frame	Input Amps	MMP Type E ^{1, 2}	1SXU100103D0202	
1 Phase 200 - 240V				Revision	X
ACS310-01x-02A4-2	R0	6.1	MS132-6.3 & S1-M3-25 ³	DATE	11/4/2020
ACS310-01x-04A7-2	R1	11.4	MS451-16E		
ACS310-01x-06A7-2	R1	16.1	MS451-20E		
ACS310-01x-07A5-2	R2	16.8	MS451-20E		
ACS310-01x-09A8-2	R2	21.0	MS451-25E		
3 Phase 200 - 240V					
ACS310-03x-02A6-2	R0	4.7	MS132-6.3 & S1-M3-25 ³		
ACS310-03x-03A9-2	R0	6.7	MS132-10 & S1-M3-25 ³		
ACS310-03x-05A2-2	R1	8.4	MS132-10 & S1-M3-25 ³		
ACS310-03x-07A4-2	R1	13.0	MS451-16E		
ACS310-03x-08A3-2	R1	13.2	MS451-16E		
ACS310-03x-10A8-2	R2	15.7	MS451-20E		
ACS310-03x-14A6-2	R2	23.9	MS451-25E		
ACS310-03x-19A4-2	R2	27.3	MS451-32E		
ACS310-03x-26A8-2	R3	45.0	MS451-50E		
ACS310-03x-34A1-2	R4	55.0	MS495-63E		
ACS310-03x-50A8-2	R4	76.0	MS495-90E		
3 Phase 380, 400, 415V ⁴					
ACS310-03x-01A3-4	R0	2.4	MS132-2.5 & S1-M3-25 ³		
ACS310-03x-02A1-4	R0	4.0	MS132-6.3 & S1-M3-25 ³		
ACS310-03x-02A6-4	R1	4.5	MS132-6.3 & S1-M3-25 ³		
ACS310-03x-03A6-4	R1	6.6	MS132-10 & S1-M3-25 ³		
ACS310-03x-04A5-4	R1	7.6	MS132-10 & S1-M3-25 ³		
ACS310-03x-06A2-4	R1	10.6	MS451-16E		
ACS310-03x-08A0-4	R1	12.8	MS451-16E		
ACS310-03x-09A7-4	R1	15.0	MS451-20E		
ACS310-03x-13A8-4	R3	20.7	MS451-25E		
ACS310-03x-17A2-4	R3	24.3	MS451-32E		
ACS310-03x-25A4-4	R3	34.0	MS451-40E		
ACS310-03x-34A1-4	R4	57.0	MS495-63E		
ACS310-03x-41A8-4	R4	67.0	MS495-75E		
ACS310-03x-48A4-4	R4	74.0	MS495-90E		
3 Phase 440, 460, 480V ⁴					
ACS310-03x-01A3-4	R0	2.0	MS132-2.5 & S1-M3-25 ³		
ACS310-03x-02A1-4	R0	3.3	MS132-4.0 & S1-M3-25 ³		
ACS310-03x-02A6-4	R1	3.8	MS132-6.3 & S1-M3-25 ³		
ACS310-03x-03A6-4	R1	5.5	MS132-6.3 & S1-M3-25 ³		
ACS310-03x-04A5-4	R1	6.3	MS132-10 & S1-M3-25 ³		
ACS310-03x-06A2-4	R1	8.8	MS132-10 & S1-M3-25 ³		
ACS310-03x-08A0-4	R1	11.0	MS451-16E		
ACS310-03x-09A7-4	R1	12.0	MS451-16E		
ACS310-03x-13A8-4	R3	17.0	MS451-20E		
ACS310-03x-17A2-4	R3	20.0	MS451-25E		
ACS310-03x-25A4-4	R3	28.0	MS451-32E		
ACS310-03x-34A1-4	R4	48.0	MS451-50E		
ACS310-03x-41A8-4	R4	56.0	MS495-63E		
ACS310-03x-48A4-4	R4	61.0	MS495-63E		



¹ All manual motor protectors listed are Type E self-protected up to 65kA.

² Manual motor protectors may require adjusting the trip limit from the factory setting at or above the drive input Amps to avoid nuisance tripping. If the manual motor protector is set to the maximum current trip level and nuisance tripping is occurring, then select the next size MMP. (MS132-10 is the highest size in MS132 frame size to meet Type E at 65kA; the next size up is the MS451-16E)

³ Requires use of the S1-M3-25 line side feeder terminal with the manual motor protector to meet Type E self-protection class.

⁴ 480Y/277V only

ACS320	Frame	Input Amps	MMP Type E ^{1, 2}	1SXU100103D0202	
1 Phase 200 - 240V				Revision	X
ACS320-01x-02A4-2	R0	6.1	MS132-6.3 & S1-M3-25 ³	DATE	11/4/2020
ACS320-01x-04A7-2	R1	11.4	MS451-16E		
ACS320-01x-06A7-2	R1	16.1	MS451-20E		
ACS320-01x-07A5-2	R2	16.8	MS451-20E		
ACS320-01x-09A8-2	R2	21.0	MS451-25E		
3 Phase 200 - 240V					
ACS320-03x-02A6-2	R0	4.7	MS132-6.3 & S1-M3-25 ³		
ACS320-03x-03A9-2	R0	6.7	MS132-10 & S1-M3-25 ³		
ACS320-03x-05A2-2	R1	8.4	MS132-10 & S1-M3-25 ³		
ACS320-03x-07A4-2	R1	13.0	MS451-16E		
ACS320-03x-08A3-2	R1	13.2	MS451-16E		
ACS320-03x-10A8-2	R2	15.7	MS451-20E		
ACS320-03x-14A6-2	R2	23.9	MS451-25E		
ACS320-03x-19A4-2	R2	27.3	MS451-32E		
ACS320-03x-26A8-2	R3	45.0	MS451-50E		
ACS320-03x-34A1-2	R4	55.0	MS495-63E		
ACS320-03x-50A8-2	R4	76.0	MS495-90E		
3 Phase 380, 400, 415V ⁴					
ACS320-03x-01A2-4	R0	2.2	MS132-2.5 & S1-M3-25 ³		
ACS320-03x-01A9-4	R0	3.6	MS132-4.0 & S1-M3-25 ³		
ACS320-03x-02A4-4	R1	4.1	MS132-6.3 & S1-M3-25 ³		
ACS320-03x-03A3-4	R1	6.0	MS132-6.3 & S1-M3-25 ³		
ACS320-03x-04A1-4	R1	6.9	MS132-10 & S1-M3-25 ³		
ACS320-03x-05A6-4	R1	9.6	MS132-10 & S1-M3-25 ³		
ACS320-03x-07A3-4	R1	11.6	MS451-16E		
ACS320-03x-08A8-4	R1	13.6	MS451-16E		
ACS320-03x-12A5-4	R3	18.8	MS451-20E		
ACS320-03x-15A6-4	R3	22.1	MS451-25E		
ACS320-03x-23A1-4	R3	30.9	MS451-40E		
ACS320-03x-31A0-4	R4	52.0	MS495-63E		
ACS320-03x-38A0-4	R4	61.0	MS495-63E		
ACS320-03x-44A0-4	R4	67.0	MS495-75E		
3 Phase 440, 460, 480V ⁴					
ACS320-03x-01A2-4	R0	1.8	MS132-2.5 & S1-M3-25 ³		
ACS320-03x-01A9-4	R0	3.0	MS132-4.0 & S1-M3-25 ³		
ACS320-03x-02A4-4	R1	3.4	MS132-4.0 & S1-M3-25 ³		
ACS320-03x-03A3-4	R1	5.0	MS132-6.3 & S1-M3-25 ³		
ACS320-03x-04A1-4	R1	5.8	MS132-6.3 & S1-M3-25 ³		
ACS320-03x-05A6-4	R1	8.0	MS132-10 & S1-M3-25 ³		
ACS320-03x-07A3-4	R1	9.7	MS132-10 & S1-M3-25 ³		
ACS320-03x-08A8-4	R1	11.0	MS451-16E		
ACS320-03x-12A5-4	R3	16.0	MS451-20E		
ACS320-03x-15A6-4	R3	18.0	MS451-20E		
ACS320-03x-23A1-4	R3	26.0	MS451-32E		
ACS320-03x-31A0-4	R4	43.0	MS451-45E		
ACS320-03x-38A0-4	R4	51.0	MS495-63E		
ACS320-03x-44A0-4	R4	56.0	MS495-63E		



¹ All manual motor protectors listed are Type E self-protected up to 65kA.

² Manual motor protectors may require adjusting the trip limit from the factory setting at or above the drive input Amps to avoid nuisance tripping. If the manual motor protector is set to the maximum current trip level and nuisance tripping is occurring, then select the next size MMP. (MS132-10 is the highest size in MS132 frame size to meet Type E at 65kA; the next size up is the MS451-16E)

³ Requires use of the S1-M3-25 line side feeder terminal with the manual motor protector to meet Type E self-protection class.

⁴ 480Y/277V only

ACS355	Frame	Input Amps	MMP Type E ^{1, 2}	1SXU100103D0202	
1 Phase 200 - 240V				Revision	X
ACS355-01x-02A4-2	R0	6.1	MS132-6.3 & S1-M3-25 ³	DATE	11/4/2020
ACS355-01x-04A7-2	R1	11.0	MS451-16E		
ACS355-01x-06A7-2	R1	16.0	MS451-20E		
ACS355-01x-07A5-2	R2	17.0	MS451-20E		
ACS355-01x-09A8-2	R2	21.0	MS451-25E		
3 Phase 200 - 240V					
ACS355-03x-02A4-2	R0	4.3	MS132-6.3 & S1-M3-25 ³		
ACS355-03x-03A5-2	R0	6.1	MS132-6.3 & S1-M3-25 ³		
ACS355-03x-04A7-2	R1	7.6	MS132-10 & S1-M3-25 ³		
ACS355-03x-06A7-2	R1	12.0	MS451-16E		
ACS355-03x-07A5-2	R1	12.0	MS451-16E		
ACS355-03x-09A8-2	R2	14.0	MS451-16E		
ACS355-03x-13A3-2	R2	22.0	MS451-25E		
ACS355-03x-17A6-2	R2	25.0	MS451-32E		
ACS355-03x-24A4-2	R3	41.0	MS451-45E		
ACS355-03x-31A0-2	R4	50.0	MS495-63E		
ACS355-03x-46A2-2	R4	69.0	MS495-75E		
3 Phase 380, 400, 415V ⁴					
ACS355-03x-01A2-4	R0	2.2	MS132-2.5 & S1-M3-25 ³		
ACS355-03x-01A9-4	R0	3.6	MS132-4.0 & S1-M3-25 ³		
ACS355-03x-02A4-4	R1	4.1	MS132-6.3 & S1-M3-25 ³		
ACS355-03x-03A3-4	R1	6.0	MS132-6.3 & S1-M3-25 ³		
ACS355-03x-04A1-4	R1	6.9	MS132-10 & S1-M3-25 ³		
ACS355-03x-05A6-4	R1	9.6	MS132-10 & S1-M3-25 ³		
ACS355-03x-07A3-4	R1	12.0	MS451-16E		
ACS355-03x-08A8-4	R1	14.0	MS451-16E		
ACS355-03x-12A5-4	R3	19.0	MS451-20E		
ACS355-03x-15A6-4	R3	22.0	MS451-25E		
ACS355-03x-23A1-4	R3	31.0	MS451-32E		
ACS355-03x-31A0-4	R4	52.0	MS495-63E		
ACS355-03x-38A0-4	R4	61.0	MS495-63E		
ACS355-03x-44A0-4	R4	67.0	MS495-75E		
3 Phase 440, 460, 480V ⁴					
ACS355-03x-01A2-4	R0	1.8	MS132-2.5 & S1-M3-25 ³		
ACS355-03x-01A9-4	R0	3.0	MS132-4.0 & S1-M3-25 ³		
ACS355-03x-02A4-4	R1	3.4	MS132-4.0 & S1-M3-25 ³		
ACS355-03x-03A3-4	R1	5.0	MS132-6.3 & S1-M3-25 ³		
ACS355-03x-04A1-4	R1	5.8	MS132-6.3 & S1-M3-25 ³		
ACS355-03x-05A6-4	R1	8.0	MS132-10 & S1-M3-25 ³		
ACS355-03x-07A3-4	R1	9.7	MS132-10 & S1-M3-25 ³		
ACS355-03x-08A8-4	R1	11.0	MS451-16E		
ACS355-03x-12A5-4	R3	16.0	MS451-20E		
ACS355-03x-15A6-4	R3	18.0	MS451-20E		
ACS355-03x-23A1-4	R3	26.0	MS451-32E		
ACS355-03x-31A0-4	R4	43.0	MS451-45E		
ACS355-03x-38A0-4	R4	51.0	MS495-63E		
ACS355-03x-44A0-4	R4	56.0	MS495-63E		



¹ All manual motor protectors listed are Type E self-protected up to 65kA.

² Manual motor protectors may require adjusting the trip limit from the factory setting at or above the drive input Amps to avoid nuisance tripping. If the manual motor protector is set to the maximum current trip level and nuisance tripping is occurring, then select the next size MMP. (MS132-10 is the highest size in MS132 frame size to meet Type E at 65kA; the next size up is the MS451-16E)

³ Requires use of the S1-M3-25 line side feeder terminal with the manual motor protector to meet Type E self-protection class.

⁴ 480Y/277V only