



















3-pole contactors CTX³ and thermal overload relays RTX³

technical characteristics

																												
Contactor		CTX ³ mini	CTX ³ 22	CTX ³ 40	CTX ³ 65	CTX ³ 100	CTX ³ 150	CTX ³ 225	CTX ³ 400	CTX ³ 800																		
Size		-	2	3	4	5	6	7	8	9																		
Terminals type		screw	screw	screw	screw or cage	screw or cage	screw or cage	screw	screw	screw																		
Rated operational voltage, U _e		690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V																		
Rated insulation voltage, U _i		690 V	690 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V																		
Rated frequency		50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz																		
Rated impulse withstand voltage, U _{imp}		6 kV	6 kV	8 kV	8 kV	8 kV	8 kV	8 kV	8 kV	8 kV																		
Max. operating rate in operation cycle per hour (AC-3)		1800	1800	1800	1800	1800	1200	1200	1200	1200																		
Durability in millions of operations	Mechanical	12	15	12	12	12	5	5	5	2.5																		
	Electrical	1	2.5	2	2	2	1	1	1	0.5																		
Type		6 A	9 A	12 A	16 A	9 A	12 A	18 A	22 A	32 A	40 A	50 A	65 A	75 A	85 A	100 A	130 A	150 A	185 A	225 A	265 A	330 A	400 A	500 A	630 A	800 A		
Current and power	AC-1	Thermal current (A)	20	20	20	20	25	25	40	40	50	60	70	100	110	135	160	160	210	230	275	300	350	450	580	660	900	
		200/240 V (kW)	1.5	2.2	3	4	2.5	3.5	4.5	5.5	7.5	11	15	18.5	22	25	30	37	45	55	75	80	90	125	147	190	220	
	AC-3	(A)	7	9	12	15	11	13	18	22	32	40	55	65	75	85	105	130	150	185	225	265	330	400	500	630	800	
		380/440 V (kW)	2.2	4	5.5	7.5	4	5.5	7.5	11	15	18.5	22	30	37	45	55	60	75	90	132	147	160	200	265	330	440	
	500/550 V (kW)	(A)	3	3.7	4	5.5	4	7.5	7.5	15	18.5	22	30	33	37	45	55	60	70	110	132	147	160	225	265	330	500	
		690 V (kW)	3	4	4	4	4	7.5	7.5	15	18.5	22	30	33	37	45	55	55	55	110	140	160	200	250	300	400	500	
	1000 V (kW)	(A)	4	5	5	5	5	9	9	18	20	23	28	35	42	45	65	60	60	120	150	185	225	300	380	420	630	
		(A)	-	-	-	-	-	-	-	-	22	22	30	30	37	27	37	75	75	132	132	147	147	147	220	220	220	
	UL rating 50/60 Hz	Continuous current (A)		20	20	20	20	25	25	40	40	50	60	70	100	110	135	160	160	210	230	275	300	350	450	580	660	900
		Single phase	110/220 V (HP)	1/2	1/2	1	-	0.5	0.75	1	2	2	3	3	5	5	7.5	10	10	15	15	15	15	-	-	-	-	-
220/240 V (HP)			1	1.5	2	-	1.5	2	3	3	5	7.5	10	15	15	15	20	20	25	30	40	40	-	-	-	-	-	
Three phase		200/208 V (HP)	-	-	-	-	2	3	5	7.5	7.5	15	20	25	25	30	30	40	40	60	60	75	100	125	150	200	200	
		220/240 V (HP)	1.5	3	3	-	3	5	7.5	10	10	15	25	30	30	40	40	40	50	60	75	100	125	150	200	250	300	
		440/480 V (HP)	3	5	7.5	-	5	7.5	10	15	20	30	40	50	50	60	75	75	100	125	150	200	250	300	400	500	600	
		550/600 V (HP)	3	5	7.5	-	7.5	10	15	20	25	30	50	60	60	75	75	75	75	125	150	200	250	300	400	500	600	
NEMA size		00	00	00	0	00	00	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	7		
Weight and size	AC control	Weight (kg)	0.17				0.34				0.4		0.9			1.6			2.4		5.4		9.2			22.4		
		Size (W x H x D) (mm)	45 x 58 x 57				45 x 73.5 x 87.4				45 x 83 x 90		55 x 106 x 119			70 x 140 x 135.8			95 x 158 x 130.3		138 x 203 x 185.1		163 x 243 x 204.4			285 x 312 x 245.3		
	DC control	Weight (kg)	0.23				0.41				0.6		1.2			2.6			2.4		5.4		9.2			22.4		
		Size (W x H x D) (mm)	45 x 58 x 69				45 x 73.5 x 103.6				45 x 83 x 117.1		55 x 106 x 146.4			70 x 140 x 172.3			95 x 158 x 130.3		138 x 203 x 185.1		163 x 243 x 204.4			285 x 312 x 245.3		
Integrated auxiliary contacts		1 NO or 1 NC				1 NO + 1 NC				2 NO + 2 NC		2 NO + 2 NC			2 NO + 2 NC			2 NO + 2 NC		2 NO + 2 NC		2 NO + 2 NC		2 NO + 2 NC				
Add on auxiliary block	Side mounting	Yes				Yes				Yes		Yes			Yes			Yes		Yes		Yes		Yes				
	Front mounting	Yes				Yes				Yes		Yes			Yes			Yes		No		No		No				
Thermal overload relay		RTX ³ mini	RTX ³ 40	RTX ³ 40	RTX ³ 65	RTX ³ 100	RTX ³ 150	RTX ³ 225	RTX ³ 400	RTX ³ 800																		
																												
Terminals type		-	screw	screw	screw	screw	screw	screw	-	-																		
Standard RTX ³		-	screw	screw	screw	screw	screw	screw	-	-																		
Differential RTX ³		screw	screw	screw	cage	cage	cage	screw	screw	screw																		
Rated operational voltage, U _e		690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V																		
Rated insulation voltage, U _i		690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V																		
Rated impulse withstand voltage, U _{imp}		6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV																		
Trip class		10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A																		
Setting		0.1 to 16 A	0.1 to 40 A	0.1 to 40 A	9 to 65 A	18 to 100 A	45 to 150 A	65 to 240 A	85 to 400 A	200 to 800 A																		
Weight and size	Weight (kg)	0.1	0.17	0.17	0.31/0.33	0.48/0.5	0.67	2.5	2.6	11.5																		
	Size (W x H x D) (mm)	45 x 73 x 63	45 x 75 x 90	45 x 75 x 90	55 x 81 x 100	70 x 97 x 110	95 x 109 x 113	147 x 141 x 184	151 x 171 x 198	360 x 530 x 212																		