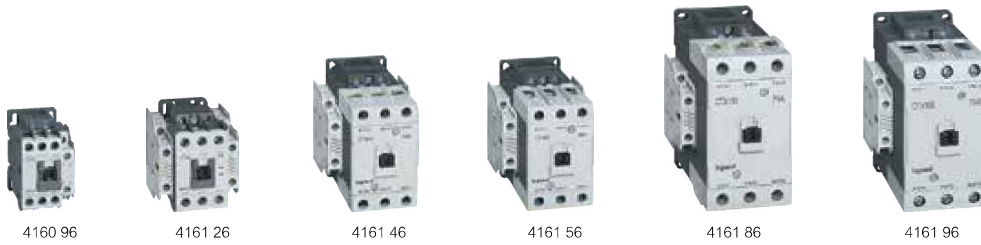


3-pole contactors CTX³

9 A to 100 A industrial contactors



Technical characteristics and coordination with circuit breakers **p. 26-27**
 Dimensions **p. 54-55**




Conform to IEC 60947-1, IEC 60947-4-1




Can be equipped with RTX³ thermal relays add-on auxiliary contact blocks, time delay blocks, capacitor switching units and CTX³ interlocking







Pack	Cat.Nos	CTX ³ 22			Pack	Cat.Nos	CTX ³ 40					
		With integrated auxiliary contacts Power terminals: screw terminals					With integrated auxiliary contacts Power terminals: screw terminals					
		9 A					32 A					
		Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts		Screw terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts		
1	4160 80		9 A	24 V~	1 NO + 1 NC	1	4161 20	32 A	24 V~	2 NO + 2 NC		
1	4160 81		9 A	24 V=	1 NO + 1 NC	1	4161 21	32 A	24 V=	2 NO + 2 NC		
1	4160 82		9 A	48 V~	1 NO + 1 NC	1	4161 22	32 A	48 V~	2 NO + 2 NC		
1	4160 83		9 A	48 V=	1 NO + 1 NC	1	4161 23	32 A	48 V=	2 NO + 2 NC		
1	4160 84		9 A	110 V~	1 NO + 1 NC	1	4161 24	32 A	110 V~	2 NO + 2 NC		
1	4160 86		9 A	230 V~	1 NO + 1 NC	1	4161 26	32 A	230 V~	2 NO + 2 NC		
1	4160 88		9 A	380 V~	1 NO + 1 NC	1	4161 28	32 A	380 V~	2 NO + 2 NC		
1	4160 89		9 A	415 V~	1 NO + 1 NC	1	4161 29	32 A	415 V~	2 NO + 2 NC		
		12 A					40 A					
1	4160 90		12 A	24 V~	1 NO + 1 NC	1	4161 30	40 A	24 V~	2 NO + 2 NC		
1	4160 91		12 A	24 V=	1 NO + 1 NC	1	4161 31	40 A	24 V=	2 NO + 2 NC		
1	4160 92		12 A	48 V~	1 NO + 1 NC	1	4161 32	40 A	48 V~	2 NO + 2 NC		
1	4160 93		12 A	48 V=	1 NO + 1 NC	1	4161 33	40 A	48 V=	2 NO + 2 NC		
1	4160 94		12 A	110 V~	1 NO + 1 NC	1	4161 34	40 A	110 V~	2 NO + 2 NC		
1	4160 96		12 A	230 V~	1 NO + 1 NC	1	4161 36	40 A	230 V~	2 NO + 2 NC		
1	4160 98		12 A	380 V~	1 NO + 1 NC	1	4161 38	40 A	380 V~	2 NO + 2 NC		
1	4160 99		12 A	415 V~	1 NO + 1 NC	1	4161 39	40 A	415 V~	2 NO + 2 NC		
		18 A					CTX³ 65					
1	4161 00		18 A	24 V~	1 NO + 1 NC			With integrated auxiliary contacts				
1	4161 01		18 A	24 V=	1 NO + 1 NC			50 A				
1	4161 02		18 A	48 V~	1 NO + 1 NC			Screw terminals	Cage terminals	Max. operating current AC 3	Control Voltage	Integrated auxiliary contacts
1	4161 03		18 A	48 V=	1 NO + 1 NC	1	4161 40	4161 50	50 A	24 V~	2 NO + 2 NC	
1	4161 04		18 A	110 V~	1 NO + 1 NC	1	4161 41	4161 51	50 A	24 V=	2 NO + 2 NC	
1	4161 06		18 A	230 V~	1 NO + 1 NC	1	4161 42	4161 52	50 A	48 V~	2 NO + 2 NC	
1	4161 08		18 A	380 V~	1 NO + 1 NC	1	4161 43	4161 53	50 A	48 V=	2 NO + 2 NC	
1	4161 09		18 A	415 V~	1 NO + 1 NC	1	4161 44	4161 54	50 A	110 V~	2 NO + 2 NC	
		22 A					4161 46	4161 56	50 A	230 V~	2 NO + 2 NC	
1	4161 10		22 A	24 V~	1 NO + 1 NC	1	4161 48	4161 58	50 A	380 V~	2 NO + 2 NC	
1	4161 11		22 A	24 V=	1 NO + 1 NC	1	4161 49	4161 59	50 A	415 V~	2 NO + 2 NC	
1	4161 12		22 A	48 V~	1 NO + 1 NC			65 A				
1	4161 13		22 A	48 V=	1 NO + 1 NC	1	4161 60	4161 70	65 A	24 V~	2 NO + 2 NC	
1	4161 14		22 A	110 V~	1 NO + 1 NC	1	4161 61	4161 71	65 A	24 V=	2 NO + 2 NC	
1	4161 16		22 A	230 V~	1 NO + 1 NC	1	4161 62	4161 72	65 A	48 V~	2 NO + 2 NC	
1	4161 18		22 A	380 V~	1 NO + 1 NC	1	4161 63	4161 73	65 A	48 V=	2 NO + 2 NC	
1	4161 19		22 A	415 V~	1 NO + 1 NC	1	4161 64	4161 74	65 A	110 V~	2 NO + 2 NC	
						1	4161 66	4161 76	65 A	230 V~	2 NO + 2 NC	
						1	4161 68	4161 78	65 A	380 V~	2 NO + 2 NC	
						1	4161 69	4161 79	65 A	415 V~	2 NO + 2 NC	





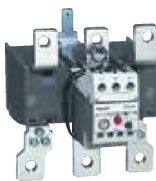
3-pole contactors CTX³ and thermal overload relays RTX³

technical characteristics

												
Contactor		CTX ³ mini				CTX ³ 22				CTX ³ 40		
	Size	-				2				3		
	Terminals type	screw				screw				screw		
	Rated operational voltage, U _e	690 V				690 V				690 V		
	Rated insulation voltage, U _i	690 V				690 V				1000 V		
	Rated frequency	50/60 Hz				50/60 Hz				50/60 Hz		
	Rated impulse withstand voltage, U _{imp}	6 kV				6 kV				8 kV		
	Max. operating rate in operation cycle per hour (AC-3)	1800				1200				1800		
Durability in millions of operations	Mechanical	12				15				12		
	Electrical	1				2.5				2		
	Type	6 A	9 A	12 A	16 A	9 A	12 A	18 A	22 A	32 A	40 A	
Current and power	AC-1	Thermal current (A)	20	20	20	20	25	25	40	40	50	60
		AC-3	200/240 V (kW)	1.5	2.2	3	4	2.5	3.5	4.5	5.5	7.5
	(A)		7	9	12	15	11	13	18	22	32	40
		380/440 V (kW)	2.2	4	5.5	7.5	4	5.5	7.5	11	15	18.5
		(A)	6	9	12	16	9	12	18	22	32	40
		500/550 V (kW)	3	3.7	4	5.5	4	7.5	7.5	15	18.5	22
		(A)	5	6	7	9	7	12	13	20	28	32
		690 V (kW)	3	4	4	4	4	7.5	7.5	15	18.5	22
(A)		4	5	5	5	5	9	9	18	20	23	
UL rating 50/60 Hz	Continuous current (A)	20	20	20	20	25	25	40	40	50	60	
		Single phase	110/220 V (HP)	1/2	1/2	1	-	0.5	0.75	1	2	2
	220/240 V (HP)		1	1.5	2	-	1.5	2	3	3	5	7.5
	Three phase	200/208 V (HP)	-	-	-	-	2	3	5	7.5	7.5	15
		220/240 V (HP)	1.5	3	3	-	3	5	7.5	10	10	15
		440/480 V (HP)	3	5	7.5	-	5	7.5	10	15	20	30
		550/600 V (HP)	3	5	7.5	-	7.5	10	15	20	25	30
		NEMA size	00	00	00	0	00	00	0	1	1	1
Weight and size	AC control	Weight (kg)	0.17				0.34				0.4	
		Size (W x H x D) (mm)	45 x 58 x 57				45 x 73.5 x 87.4				45 x 83 x 90	
	DC control	Weight (kg)	0.23				0.41				0.6	
		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	
	Integrated auxiliary contacts	1 NO or 1 NC				1 NO + 1 NC				2 NO + 2 NC		
Add on auxiliary block	Side mounting	Yes				Yes				Yes		
	Front mounting	Yes				Yes				Yes		

											
Thermal overload relay		RTX ³ mini				RTX ³ 40				RTX ³ 40	
	Standard RTX ³	screw				screw				screw	
	Differential RTX ³	screw				screw				screw	
	Rated operational voltage, U _e	690 V				690 V				690 V	
	Rated insulation voltage, U _i	690 V				690 V				690 V	
	Rated impulse withstand voltage, U _{imp}	6 kV				6 kV				6 kV	
	Trip class	10 A				10 A				10 A	
	Setting	0.1 to 16 A				0.1 to 40 A				0.1 to 40 A	
Weight and size	Weight (kg)	0.1				0.17				0.17	
	Size (W x H x D) (mm)	45 x 73 x 63				45 x 75 x 90				45 x 75 x 90	

														
CTX [®] 65		CTX [®] 100			CTX [®] 150		CTX [®] 225		CTX [®] 400			CTX [®] 800		
4		5			6		7		8			9		
screw or cage		screw or cage			screw or cage		screw		screw			screw		
690 V		690 V			690 V		690 V		690 V			690 V		
1000 V		1000 V			1000 V		1000 V		1000 V			1000 V		
50/60 Hz		50/60 Hz			50/60 Hz		50/60 Hz		50/60 Hz			50/60 Hz		
8 kV		8 kV			8 kV		8 kV		8 kV			8 kV		
1800		1800			1200		1200		1200			1200		
12		12			5		5		5		2.5		2.5	
2		2			1		1		1		0.5		0.5	
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
70	100	110	135	160	160	210	230	275	300	350	450	580	660	900
15	18.5	22	25	30	37	45	55	75	80	90	125	147	190	220
55	65	75	85	105	130	150	185	225	265	330	400	500	630	800
22	30	37	45	55	60	75	90	132	147	160	200	265	330	440
50	65	75	85	105	130	150	185	225	265	330	400	500	630	800
30	33	37	45	55	60	70	110	132	147	160	225	265	330	500
43	60	64	75	85	90	100	180	200	225	280	350	400	500	720
30	33	37	45	55	55	55	110	140	160	200	250	300	400	500
28	35	42	45	65	60	60	120	150	185	225	300	380	420	630
70	100	110	135	160	160	210	230	275	300	350	450	580	660	900
3	5	5	7.5	10	10	15	15	15	-	-	-	-	-	-
10	15	15	15	20	20	25	30	40	-	-	-	-	-	-
20	25	25	30	30	40	40	60	60	75	100	125	150	200	200
25	30	30	40	40	40	50	60	75	100	125	150	200	250	300
40	50	50	60	75	75	100	125	150	200	250	300	400	500	600
50	60	60	75	75	75	75	125	150	200	250	300	400	500	600
2	2	2	3	3	3	4	4	4	5	5	5	6	6	7
0.9		1.6			2.4		5.4		9.2			22.4		
55 × 106 × 119		70 × 140 × 135.8			95 × 158 × 130.3		138 × 203 × 185.1		163 × 243 × 204.4			285 × 312 × 245.3		
1.2		2.6			2.4		5.4		9.2			22.4		
55 × 106 × 146.4		70 × 140 × 172.3			95 × 158 × 130.3		138 × 203 × 185.1		163 × 243 × 204.4			285 × 312 × 245.3		
2 NO + 2 NC		2 NO + 2 NC			2 NO + 2 NC		2 NO + 2 NC		2 NO + 2 NC			2 NO + 2 NC		
Yes		Yes			Yes		Yes		Yes			Yes		
Yes		Yes			Yes		No		No			No		

														
RTX [®] 65		RTX [®] 100			RTX [®] 150		RTX [®] 225		RTX [®] 400			RTX [®] 800		
screw		screw			screw		screw		screw			screw		
cage		cage			cage		cage		cage			cage		
690 V		690 V			690 V		690 V		690 V			690 V		
690 V		690 V			690 V		690 V		690 V			690 V		
6 kV		6 kV			6 kV		6 kV		6 kV			6 kV		
10 A		10 A			10 A		10 A		10 A			10 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		
0.31/0.33		0.48/0.5			0.67		2.5		2.6			11.5		
55 × 81 × 100		70 × 97 × 110			95 × 109 × 113		147 × 141 × 184		151 × 171 × 198			360 × 530 × 212		