

Catalog Number Selection

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Table 48. XT IEC Contactors & Starters — Catalog Numbering System

XT CE C 007 B 01 AD P 16					
Designation XT = XT Line of IEC Control				XTAE, XTAS and XTAR Starters Only — Maximum Overload Relay	
Type CE = 3-Pole FVNR IEC Contactor CS = 3-Pole FVNR S Series IEC Contactor CF = 4-Pole FVNR IEC Contactor CR = 3-Pole FVR IEC Contactor CC = IEC Capacitor Contactor AE = FVNR IEC Starter AS = FVNR S-Series IEC Starter AR = FVR IEC Starter				XTOB Maximum Overload Rating	
Terminations Blank = Screw Terminals (6 – 65A); 5 mm (80 – 150A); No Lugs (185 – 2000A) C = Spring Cage Terminals (6 – 32A); Spring Cage Coil Terminals Only (185 – 500A)				Frame B P16 = 0.1 – 0.16A P24 = 0.16 – 0.24A P40 = 0.24 – 0.4A P60 = 0.4 – 0.6A 001 = 0.6 – 1A 1P6 = 1.0 – 1.6A 2P4 = 1.6 – 2.4A 004 = 2.4 – 4A 006 = 4 – 6A 010 = 6 – 10A 012 = 9 – 12A 016 = 12 – 16A	Frame D 010 = 6 – 10A 016 = 10 – 16A 024 = 16 – 24A 040 = 24 – 40A 057 = 40 – 57A 065 = 50 – 65A
Current Ratings, AC-3				Frame C P16 = 0.1 – 0.16A P24 = 0.16 – 0.24A P40 = 0.24 – 0.4A P60 = 0.4 – 0.6A 001 = 0.6 – 1A 1P6 = 1.0 – 1.6A 2P4 = 1.6 – 2.4A 004 = 2.4 – 4A 006 = 4 – 6A 010 = 6 – 10A 016 = 10 – 16A 024 = 16 – 24A 032 = 24 – 32A	Frame F 035 = 25 – 35A 050 = 35 – 50A 070 = 50 – 70A 100 = 70 – 100A
Frame Size Designation				Frame G 035 = 25 – 35A 050 = 35 – 50A 070 = 50 – 70A 100 = 70 – 100A 125 = 95 – 125A 150 = 120 – 150A	Frame L 070 = 50 – 70A 100 = 70 – 100A 125 = 95 – 125A 160 = 120 – 160A 220 = 160 – 220A 250 = 200 – 250A
Built-In Auxiliary Contact				C396 Maximum Overload Rating	
007 = 7A 009 = 9A 012 = 12A 015 = 15A 018 = 18A 025 = 25A 032 = 32A 040 = 40A 050 = 50A 065 = 65A 080 = 80A 095 = 95A 115 = 115A 150 = 150A 185 = 185A 225 = 225A 250 = 250A 300 = 300A 400 = 400A 500 = 500A 580 = 580A 650 = 650A 750 = 750A 820 = 820A C10 = 1000A C14 = 1400A, AC-1 C16 = 1600A, AC-3 C20 = 2000A, AC-1				Suffix Std. Class 5/10/20/30	
B = 45 mm C = 45 mm D = 55 mm F = 90 mm G = 90 mm L = 140 mm M = 160 mm N = 250 mm P = 260 mm R = 515 mm				Frame B 0.1 – 0.5A = 3EP05 0.4 – 2.0A = 3E002 1 – 5A = 3E005 1.6 – 8A = 3E008 6.4 – 32 = 3E032	Frame C 0.1 – 0.5A = 3EP05 0.4 – 2.0A = 3E002 1 – 5A = 3E005 1.6 – 8A = 3E008 6.4 – 32A = 3E032
01 = 1NC 10 = 1NO 00 = 0NO-0NC 22 = 2NO-2NC				Frame D 6.4 – 32A = 3E032 9 – 45A = 3E045 15 – 75A = 3E075	Frame F 22 – 110A = 3E110
				Frame G 30 – 150A = 3E150	
				Coil Codes See Table 57.	

Table 57. Magnet Coil Suffix

Coil Voltage	Suffix Code
Frame A – B	
110V 50 Hz, 120V 60 Hz	A
220V 50 Hz, 240V 60 Hz	B
230V 50 Hz	F
24V 50/60 Hz	T
24V DC	TD
415V 50 Hz, 480V 60 Hz	C ③
550V 50 Hz, 600V 60 Hz	D ③
208V 60 Hz	E ③
190V 50 Hz, 220V 60 Hz	G ③
240V 50 Hz, 277V 60 Hz	H ③
380V 50 Hz, 440V 60 Hz	L ③
400V 50 Hz	N ③
380V 60 Hz	P ③
12V 50/60 Hz	R ③
24V 50 Hz	U ③
42V 50 Hz, 48V 60 Hz	W ③
48V 50 Hz	Y ③
120V DC	AD ③
220V DC	BD ③
12V DC	RD ③
48V DC	WD ③

Coil Voltage	Suffix Code
Frame C – F	
110V 50 Hz, 120V 60 Hz	A
220V 50 Hz, 240V 60 Hz	B
230V 50 Hz	F
24V 50/60 Hz	T
24 – 27V DC	TD
415V 50 Hz, 480V 60 Hz	C ③
550V 50 Hz, 600V 60 Hz	D ③
208V 60 Hz	E ③
190V 50 Hz, 220V 60 Hz	G ③
240V 50 Hz, 277V 60 Hz	H ③
380V 50 Hz, 440V 60 Hz	L ③
400V 50 Hz	N ③
380V 60 Hz	P ③
12V 50/60 Hz	R ③
24V 50 Hz	U ③
42V 50 Hz, 48V 60 Hz	W ③
48V 50 Hz	Y ③
110 – 130V DC	AD ③
200 – 240V DC	BD ③
12 – 14V DC	RD ①③
48 – 60V DC	WD ③

Coil Voltage	Suffix Code
Frame G	
100 – 120V 50/60 Hz	A
190 – 240V 50/60 Hz	B
24V 50/60 Hz	T
24 – 27V DC	TD
480 – 500V 50/60 Hz	C ③
380 – 440V 50/60 Hz	L ③
42 – 48V 50/60 Hz	W ③
110 – 130V DC	AD ③
200 – 240V DC	BD ③
48 – 60V DC	WD ③

Frame L – N	
110 – 250V 40 – 60 Hz/DC	A
250 – 500V 40 – 60 Hz	C ③
48 – 110V 40 – 60 Hz/DC	Y ③
24 – 48V DC	TD ②

Frame L – M, S-Series	
110 – 120V 50/60 Hz	A
220 – 240V 50/60 Hz	B

Frame P – R	
220 – 250V 50 – 60 Hz/DC	B

- ① Frame C – D only.
 ② Frame L – M only.
 ③ For indicated coils, price adder of 10% must be applied to the contactor list price.

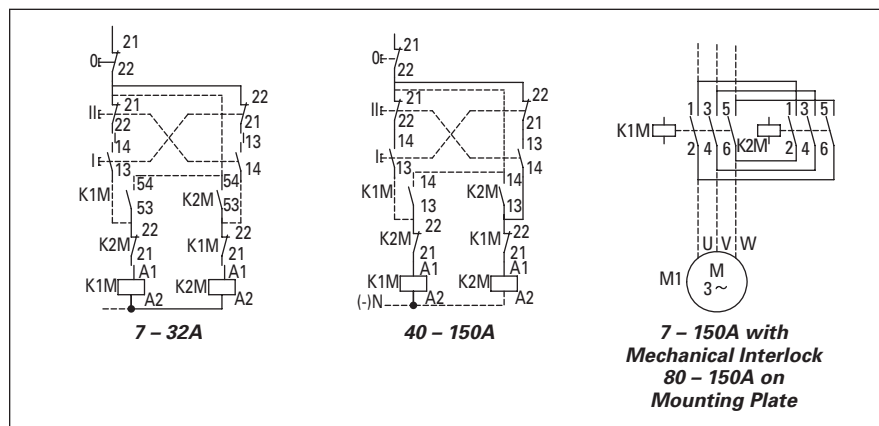


Figure 34. 7 – 150A XTIC Reversing Contactor Wiring Diagram

Product Selection Non-reversing Contactors



Frame B



Frame C



Frame D



Frame F – G

Table 49. Full Voltage Non-reversing 3-Pole Contactors, Frame B – Frame G

I _e (A)	I _e = I _{th} (A)	Maximum kW Ratings AC-3				Maximum 3-Phase Motor Rating, UL/CSA								Aux. Contacts	Catalog Number — Screw Terminals ①②	Price U.S. \$	
AC-3	AC-1 (60°C)	3-Phase Motors 50 – 60 Hz				1-Phase hp Ratings			3-Phase hp Ratings				AC Coil			DC Coil	
		220/230V	380/400V	415V	660/690V	115V	200V	230V	200V	230V	460V	575V					
Frame B																	
7	20	2.2	3	4	3.5	1/4	3/4	1	1-1/2	2	3	5	1NO	XTCE007B10_	97.	126.	
7	20	2.2	3	4	3.5	1/4	3/4	1	1-1/2	2	3	5	1NC	XTCE007B01_	97.	126.	
9	20	2.5	4	5.5	4.5	1/2	1	1-1/2	3	3	5	7-1/2	1NO	XTCE009B10_	105.	135.	
9	20	2.5	4	5.5	4.5	1/2	1	1-1/2	3	3	5	7-1/2	1NC	XTCE009B01_	105.	135.	
12	20	3.5	5.5	7	6.5	1	2	2	3	3	10 ③	10	1NO	XTCE012B10_	129.	165.	
12	20	3.5	5.5	7	6.5	1	2	2	3	3	10 ③	10	1NC	XTCE012B01_	129.	165.	
15.5	20	4	7.5	8	7	1	2	3	5	5	10 ③	10	1NO	XTCE015B10_	143.	172.	
15.5	20	4	7.5	8	7	1	2	3	5	5	10 ③	10	1NC	XTCE015B01_	143.	172.	
Frame C																	
18	35	5	7.5	10	11	2	2	3	5	5	10 ③	15	1NO	XTCE018C10_	149.	180.	
18	35	5	7.5	10	11	2	2	3	5	5	10 ③	15	1NC	XTCE018C01_	149.	180.	
25	40	7.5	11	14.5	14	2	3	5	7-1/2	7-1/2	15	20	1NO	XTCE025C10_	179.	208.	
25	40	7.5	11	14.5	14	2	3	5	7-1/2	7-1/2	15	20	1NC	XTCE025C01_	179.	208.	
32	40	10	15	18	17	3	5	5	10	10	20	25	1NO	XTCE032C10_	223.	259.	
32	40	10	15	18	17	3	5	5	10	10	20	25	1NC	XTCE032C01_	223.	259.	
Frame D																	
40	50	12.5	18.5	24	23	3	5	7-1/2	10	15	30	40	—	XTCE040D00_	259.	301.	
50	65	15.5	22	30	30	3	7-1/2	10	15	20	40	50	—	XTCE050D00_	285.	357.	
65	80	20	30	39	35	5	10	15	20	25	50	60	—	XTCE065D00_	302.	373.	
Frame F																	
80	90	25	37	48	63	7-1/2	15	15	25	30	60	75	—	XTCE080F00_	388.	485.	
95	110	30	45	57	75	7-1/2	15	15	25	40	75	100	—	XTCE095F00_	468.	590.	
Frame G																	
115	130	37	55	70	90	10	25	25	40	50	100	125	—	XTCE115G00_	585.	720.	
150	160	48	75	91	96	15	25	30	40	60	125	125	—	XTCE150G00_	940.	1,125.	

① Underscore (_) indicates magnet coil suffix required. See Table 57, Page 37.

② For Spring Cage Terminals, insert **C** after the fourth digit of the Catalog Number. Example: XTCEC007B10A. For 7 – 12A XTCEC Contactors, the power, auxiliary and coil terminals are spring cage. For 18 – 32A XTCEC Contactors, the auxiliary and coil terminals are spring cage. For 40 – 150A XTCEC Contactors, the coil terminals only are spring cage.

③ For electrical life contactor application data, see Table 51, Page 34.

Notes:

The 7 – 32A XTCE Contactors have positively driven contacts between the integrated auxiliary contact and the auxiliary contact module as well as within the auxiliary contact modules.

The 40 – 65A XTCE Contactors have positively driven contacts within the auxiliary contact module. 6 auxiliary contacts are possible with a combination of side mounted and front mount auxiliary contacts.

DC operated contactors (Frames B – G, 7 – 150A) have a built-in suppressor circuit.

Frame B – C contactors with 1NC built-in auxiliary are mirror contacts (XTCE...B01_ – XTCE...C01_).

Contact Sequence (Circuit Symbols)	Page 34
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