

Accessories

Auxiliary Contacts

Front mounted snap-on auxiliary contacts for **XT** contactors are available with screw or spring cage terminals in a variety of contact configurations.

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.

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

Table 34-75. XTCE and XTCS Auxiliary Contact Overview

Frame	A	B	C	D	F	G	L – R
Catalog Numbers	XTMC6A... – XTMC9A...	XTCE007B... – XTCE015B...	XTCE018C... – XTCE032C...	XTCE040D00_ – XTCE065D00_	XTCE080F00_ – XTCE095F00_	XTCE115G00_ – XTCE150G00_	XTCE185L22_ – XTCEC20R22_ ①
Contactor Width	45 mm	45 mm	45 mm	55 mm	90 mm	90 mm	Various
Built-In Auxiliary	1NO or 1NC	1NO or 1NC	1NO or 1NC	—	—	—	2NO-2NC
Contact Sequence							
Front (Top) Mount Auxiliary	<p>2-Pole & 4-Pole (Screw or Spring Cage):</p>	<p>Standard 2-Pole & 4-Pole Versions (Screw or Spring Cage):</p> <p>Tall Version (Screw Only):</p>		<p>2-Pole (Screw Only):</p> <p>4-Pole (Screw or Spring Cage):</p>			N/A
Side Mount Auxiliary	N/A	N/A	<p>2-Pole (Screw Only):</p>	<p>2-Pole (Screw or Spring Cage):</p>			

① Frame L – R auxiliary contacts also apply to XTCS185L... – XTCS500M... contactors.

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Table 34-76. Auxiliary Contacts







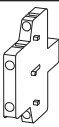






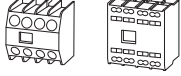







	Conventional Thermal Current, Open at 60°C $I_{th} = I_e$, AC-1 in Amps	Poles	Contact Configuration	Circuit Symbol	Pkg. Qty.	Screw Terminals	Spring Cage Terminals	Price U.S. \$ ①
						Catalog Number	Catalog Number	
Frame B – C — Front (Top) Mount								
	16	2	2NO		5	XTCEXFAC20	XTCEXFACC20	
	16	2	1NO-1NC		5	XTCEXFAC11	XTCEXFACC11	
	16	2	2NC		5	XTCEXFAC02	XTCEXFACC02	
	16	2	1NO _E -1NC _L		5	XTCEXFALC11 ②	XTCEXFALCC11 ②	
	16	2	1NO-1NC		5	XTCEXFDC11 ③	XTCEXFDC11 ③	
	16	2	2NC		5	XTCEXFCC02 ③	XTCEXFCC02 ③	
	16	4	4NO		5	XTCEXFAC40	XTCEXFACC40	
	16	4	3NO-1NC		5	XTCEXFAC31	XTCEXFACC31	
	16	4	2NO-2NC		5	XTCEXFAC22	XTCEXFACC22	
	16	4	1NO-3NC		5	XTCEXFAC13	XTCEXFACC13	
	16	4	4NC		5	XTCEXFAC04	XTCEXFACC04	
	16	4	1NO _E -1NC _L		5	XTCEXFCLC22 ②	XTCEXFCLCC22 ②	
	16	4	2NO-2NC		5	XTCEXFCC22 ③	XTCEXFCC22 ③	

① Orders must be placed in multiples of package quantity listed.

② 1 early-make contact (1NO_E), 1 late-break contact (1NC_L).

③ To avoid duplicate terminal numbers in contact sequence, these auxiliary contacts should only be used with contactors having a built-in 1NO contact (XTCE...B10_, XTCE...C10_).

Table 34-76. Auxiliary Contacts (Continued)

	Conventional Thermal Current, Open at 60°C I _{th} = I _e , AC-1 in Amps	Poles	Contact Configuration	Circuit Symbol	Pkg. Qty.	Screw Terminals Catalog Number	Spring Cage Terminals Catalog Number	Price U.S. \$ ①
Frame B – C — Front (Top) Mount — Tall Version ③								
	16	2	2NO		5	XTCEXFATC20	—	
	16	2	1NO-1NC		5	XTCEXFATC11	—	
	16	2	2NC		5	XTCEXFATC02	—	
	16	4	2NO-2NC		5	XTCEXFATC22	—	
Frame C — Side Mount								
	10	2	1NO-1NC		1	XTCEXSCC11 ④	—	
Frame D – G								
	16	2	2NO		5	XTCEXFBG20	—	
	16	2	1NO-1NC		5	XTCEXFAG11	—	
	16	2	1NO-1NC		5	XTCEXFBG11	—	
	16	2	2NC		5	XTCEXFBG02	—	
	16	4	4NO-0NC		5	XTCEXFBG40	XTCEXFBGC40	
	16	4	3NO-1NC		5	XTCEXFBG31	XTCEXFBGC31	
	16	4	2NO-2NC		5	XTCEXFBG22	XTCEXFBGC22	
	16	4	2NO-2NC		5	XTCEXFAG22	XTCEXFAGC22	
	16	4	1NO-3NC		5	XTCEXFBG13	XTCEXFBGC13	
	16	4	0NO-4NC		5	XTCEXFBG04	XTCEXFBGC04	
	16	4	1NO _E -1NC _L		5	XTCEXFBG22 ②	XTCEXFBG22 ②	

① Orders must be placed in multiples of package quantity listed.
 ② 1 early-make contact (1NO_E), 1 late-break contact (1NC_L).
 ③ Front (Top) Mount Tall Version is for use with Frame B Electrical Wire Bridges and Link Kits (see **Pages 34-56, 34-57**) and Toolless Plug Combination Connection Kits: XTCEXRLB, XTCEXSDLB, XTPAXTPCB, XTPAXTPCRB, XTPAX.

④ Can be mounted to the left side of contactor only. Cannot be used in combination with front (top) mount auxiliary contacts or mechanical interlocks.

Notes:
 ■ Interlocked opposing contacts, to IEC/EN 60947-5-1 Annex L (positively driven), within the auxiliary contact modules (not NO (early make) and NC (late break) contacts) and for the built-in auxiliary contacts of the XTCE007B... – XTCE032C....

■ Auxiliary break contact can be used as mirror contact to IEC/EN 60947-4-1 Annex F (not NC (late break) contact).
 ■ No auxiliary contacts can be fitted between two contactors.

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Table 34-77. Side Mount Auxiliary Contacts for Frame D – R, 40 – 2000A

	Conventional Free Air Thermal Current, I _{th} = I _e , AC-1 in Amps	Poles	Contact Configuration	Circuit Symbol	Pkg. Qty.	Screw Terminals	Spring Cage Terminals	Price U.S. \$
						Catalog Number	Catalog Number	
Frame D – R								
	10	2	1NO-1NC		1	XTCEXSBN11	XTCEXSBNC11	
	10	2	1NO _E -1NC _L		1	XTCEXSBLN11 ①	—	
	10	2	1NO-1NC		1	XTCEXSCN11 ②	XTCEXSCNC11 ②	

① 1 early-make contact (1NO_E), 1 late-break contact (1NC_L).

② To maintain proper terminal marking, XTCEXSCN_ should not be used with Frame D contactors and only used with Frame F – G contactors in combination with XTCEXSBN_.

Table 34-78. Auxiliary Contacts Possible Combinations

Frame Size	Catalog Number	Contactor	Built-In Auxiliary	Front (Top) Mount		Side Mount	Total Auxiliary Contacts Available
				2-Pole	4-Pole	2-Pole	
A	XTMC6A... – XTMC9A...		1NO or 1NC	1	—	—	3
				—	1	—	5
						—	—
B	XTCE007B... – XTCE015B...		1NO or 1NC	1	—	—	3
				—	1	—	5
						—	—
C	XTCE018C... – XTCE032C...		1NO or 1NC	1	—	—	3
				—	1	—	5
				—	—	1	3
							—
D	XTCE040D00_ – XTCE065D00_		—	1	—	2	6
				—	1	1	6
							—
F – G	XTCE080F00_ – XTCE150G00_		—	1	—	2	6
				—	1	2	8
				—	—	4	8
							—
L – R	XTCE185L22_ – XTCEC20R22_		2NO-2NC	—	—	2	8
				—	—		—

Notes:

- Forced operation contact to IEC/EN 60947-5-1 Appendix L (positively driven), inside the auxiliary contact unit (not early close and late opening).
- Auxiliary normally closed contact can be used as mirror contact to IEC/EN 60947-4-1 Appendix F (not late opening).
- No auxiliary contacts can be fitted between two contactors.

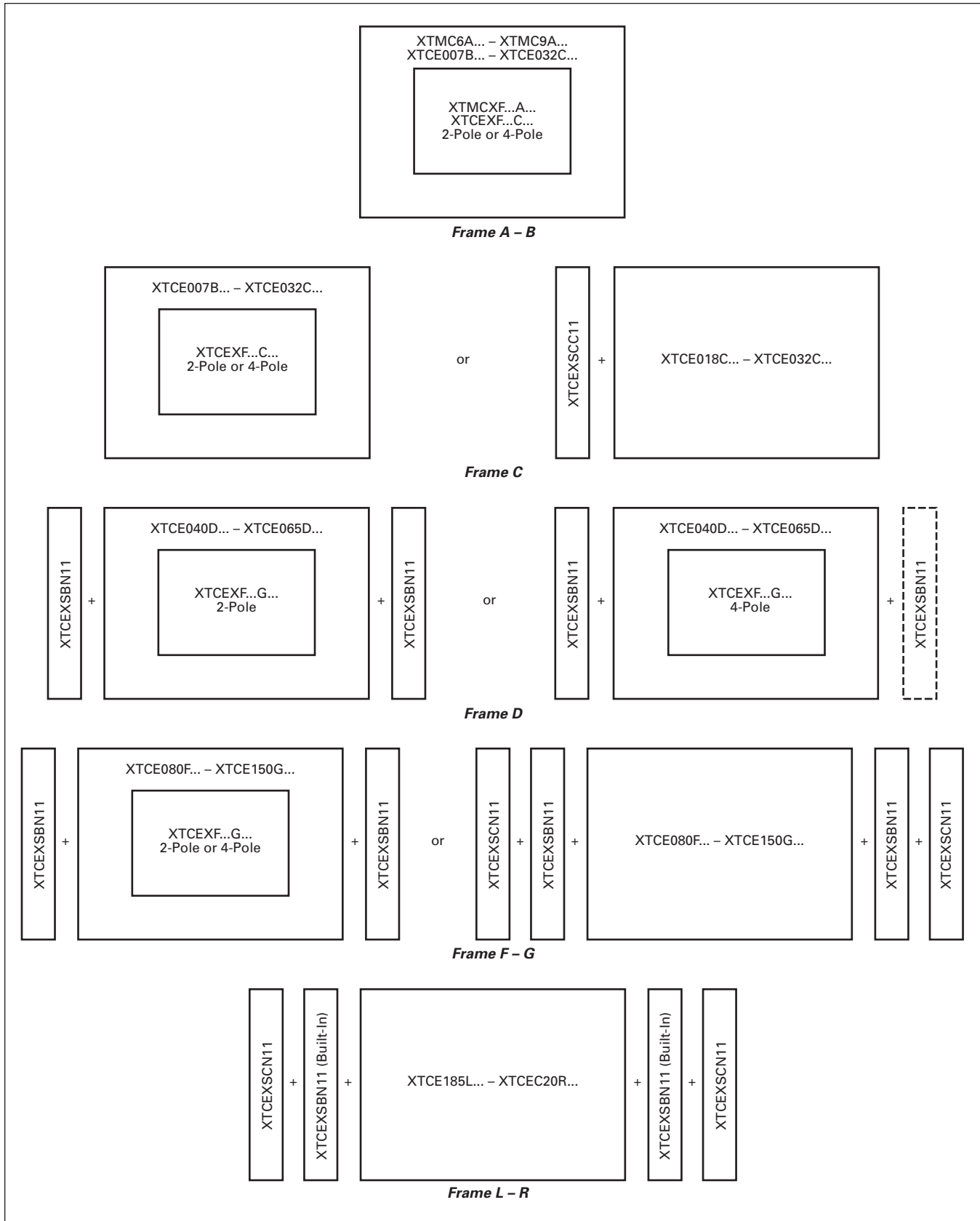


Figure 34-37. Auxiliary Contact Combinations