Frame C



Three-Pole Contactors, Frame C—UL/CSA Ratings

UL General Purpose Ampere Rating	Single-Phase hp Ratings 115V	200V	230V	Three-Phase hp Ratings 200V	230V	460V	575V	Auxiliary Contacts	Screw Terminal Catalog Number ①②
40	2	2	3	5	5	10	15	1NO	**XTCE018C10_**
40	2	2	3	5	5	10	15	1NC	**XTCE018C01_**
40	2	3	5	7-1/2	10	15	20	1NO	**XTCE025C10_**
40	2	3	5	7-1/2	10	15	20	1NC	**XTCE025C01_**
40	3	5	5	10	10	20	25	1NO	**XTCE032C10_**
40	3	5	5	10	10	20	25	1NC	**XTCE032C01_**

Three-Pole Contactors, Frame C—IEC Ratings

AC-3 I_e (A)	AC-1 (40°C) $I_e = I_{th}$ (A)	Maximum kW Ratings AC-3/Three-Phase Motors 50–60 Hz 220/230V	380/400V	415V	660/690V	Auxiliary Contacts	Screw Terminal Catalog Number ①②
18	40	5	7.5	10	11	1NO	**XTCE018C10_**
18	40	5	7.5	10	11	1NC	**XTCE018C01_**
25	45	7.5	11	14.5	14	1NO	**XTCE025C10_**
25	45	7.5	11	14.5	14	1NC	**XTCE025C01_**
32	45	10	15	18	17	1NO	**XTCE032C10_**
32	45	10	15	18	17	1NC	**XTCE032C01_**

Frame D



Three-Pole Contactors, Frame D—UL/CSA Ratings

UL General Purpose Ampere Rating	Single-Phase hp Ratings 115V	200V	230V	Three-Phase hp Ratings 200V	230V	460V	575V	Auxiliary Contacts	Screw Terminal Catalog Number ①②
63	3	5	7-1/2	10	15	30	40	—	**XTCE040D00_**
63	3	5	7-1/2	10	15	30	40	1NO-1NC	**XTCE040DS1_**
80	3	7-1/2	10	15	20	40	50	—	**XTCE050D00_**
80	3	7-1/2	10	15	20	40	50	1NO-1NC	**XTCE050DS1_**
88	5	10	15	20	25	50	60	—	**XTCE065D00_**
88	5	10	15	20	25	50	60	1NO-1NC	**XTCE065DS1_**
88	5	10	15	20	25	50	60	—	**XTCE072D00_**
88	5	10	15	20	25	50	60	1NO-1NC	**XTCE072DS1_**

Three-Pole Contactors, Frame D—IEC Ratings

AC-3 I_e (A)	AC-1 (40°C) $I_e = I_{th}$ (A)	Maximum kW Ratings AC-3/Three-Phase Motors 50–60 Hz 220/230V	380/400V	415V	660/690V	Auxiliary Contacts	Screw Terminal Catalog Number ①②
40	60	12.5	18.5	24	23	—	**XTCE040D00_**
40	60	12.5	18.5	24	23	1NO-1NC	**XTCE040DS1_**
50	80	15.5	22	30	30	—	**XTCE050D00_**
50	80	15.5	22	30	30	1NO-1NC	**XTCE050DS1_**
65	98	20	30	39	35	—	**XTCE065D00_**
65	98	20	30	39	35	1NO-1NC	**XTCE065DS1_**
72	98	22	37	41	35	—	**XTCE072D00_**
72	98	22	37	41	35	1NO-1NC	**XTCE072DS1_**

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. Six 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.

① Underscore (_) indicates magnet coil suffix required. See **Page V5-T1-53**.

② For spring cage terminals, insert **C** after the fourth digit of the catalog number. Example: XTCE**C**007B10A.
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.

Frame C—Maximum UL/CSA Ratings

Three-Phase hp Ratings 200V	230V	460V	575V	Max. Changeover Time (sec)	Component Description	Catalog Number ①
7-1/2	7-1/2	15	20	<20	K1M main contactor	**XTCE018C10_**
					K5M delta contactor	**XTCE018C01_**
					K3M star contactor	**XTCE018C01_**
					Mechanical interlock	**XTCEXMLC**
					K1T timing relay	**XTTR6A60S51B**
					Overload relay	**XTOB…CC1**
					(3) auxiliary contacts	**XTCEXFAC20**
					Star-delta link kit	**XTCEXSDLC**
10	15	30	40	<20	K1M main contactor	**XTCE025C10_**
					K5M delta contactor	**XTCE025C01_**
					K3M star contactor	**XTCE025C01_**
					Mechanical interlock	**XTCEXMLC**
					K1T timing relay	**XTTR6A60S51B**
					Overload relay	**XTOB…CC1**
					(3) auxiliary contacts	**XTCEXFAC20**
					Star-delta link kit	**XTCEXSDLC**
15	20	40	50	<20	K1M main contactor	**XTCE032C10_**
					K5M delta contactor	**XTCE032C01_**
					K3M star contactor	**XTCE032C01_**
					Mechanical interlock	**XTCEXMLC**
					K1T timing relay	**XTTR6A60S51B**
					Overload relay	**XTOB…CC1**
					(3) auxiliary contacts	**XTCEXFAC20**
					Star-delta link kit	**XTCEXSDLC**

Frame C—Maximum IEC Ratings

AC-3 I_e(A)	Three-Phase Motors 50–60 Hz 220/230V	380/400V	415V	500V	660/690V	1000V	Max. Changeover Time (sec)	Component Description	Catalog Number ①
30	7.5	15	19	18.5	18.5	—	<20	K1M main contactor	**XTCE018C10_**
								K5M delta contactor	**XTCE018C01_**
								K3M star contactor	**XTCE018C01_**
								Mechanical interlock	**XTCEXMLC**
								K1T timing relay	**XTTR6A60S51B**
								Overload relay	**XTOB…CC1**
								(3) auxiliary contacts	**XTCEXFAC20**
								Star-delta link kit	**XTCEXSDLC**
45	11	22	30	30	22	—	<20	K1M main contactor	**XTCE025C10_**
								K5M delta contactor	**XTCE025C01_**
								K3M star contactor	**XTCE025C01_**
								Mechanical interlock	**XTCEXMLC**
								K1T timing relay	**XTTR6A60S51B**
								Overload relay	**XTOB…CC1**
								(3) auxiliary contacts	**XTCEXFAC20**
								Star-delta link kit	**XTCEXSDLC**
55	15	30	39	37	30	—	<20	K1M main contactor	**XTCE032C10_**
								K5M delta contactor	**XTCE032C01_**
								K3M star contactor	**XTCE032C01_**
								Mechanical interlock	**XTCEXMLC**
								K1T timing relay	**XTTR6A60S51B**
								Overload relay	**XTOB…CC1**
								(3) auxiliary contacts	**XTCEXFAC20**
								Star-delta link kit	**XTCEXSDLC**

Note

① Underscore (_) indicates magnet coil suffix required. See **Page V5-T1-62**.

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XTSR Reversing Manual Motor Controllers (MMC)—Component Bill of Material

Factory Assembled Manual Motor Protector + Contactor

Assembled Manual Motor Controller ①	FLA Adjustment Range/Overload Release—I_r (Amps)	Component Catalog Numbers Manual Motor Protector	Combination Connection Kit	Contactor ①	Manual Motor Protector Auxiliary Contact
XTSR Frame B MMP + Frame B Contactor					
XTSRP16BB_	0.1–0.16	XTPRP16BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSRP25BB_	0.16–0.25	XTPRP25BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSRP40BB_	0.25–0.4	XTPRP40BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSRP63BB_	0.4–0.63	XTPRP63BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR001BB_	0.63–1	XTPR001BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR1P6BB_	1–1.6	XTPR1P6BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR2P5BB_	1.6–2.5	XTPR2P5BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR004BB_	2.5–4	XTPR004BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR6P3BB_	4–6.3	XTPR6P3BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR010BB_	6.3–10	XTPR010BC1	XTPAXTPCRB	(2) XTCE009B01_	XTPAXFA11
XTSR012BB_	8–12	XTPR012BC1	XTPAXTPCRB	(2) XTCE012B01_	XTPAXFA11
XTSR Frame B MMP + Frame C Contactor					
XTSR016BC_	10–16	XTPR016BC1	XTPAXTPCRC	(2) XTCE018C01	XTPAXFA11
XTSR020BC_	16–20	XTPR020BC1	XTPAXTPCRC	(2) XTCE025C01_	XTPAXFA11
XTSR025BC_	20–25	XTPR025BC1	XTPAXTPCRC	(2) XTCE025C01_	XTPAXFA11
XTSR032BC_	25–32	XTPR032BC1	XTPAXTPCRC	(2) XTCE032C01_	XTPAXFA11
XTSR Frame D MMP + Frame C Contactor					
XTSR016DC_	10–16	XTPR016DC1	②	(2) XTCE018C01	XTPAXFA11
XTSR025DC_	16–25	XTPR025DC1	②	(2) XTCE025C01_	XTPAXFA11
XTSR032DC_	25–32	XTPR032DC1	②	(2) XTCE032C01_	XTPAXFA11
XTSR Frame D MMP + Frame D Contactor					
XTSR040DD_	32–40	XTPR040DC1	③	(2) XTCE040D00_	XTPAXFA11
XTSR050DD_	40–50	XTPR050DC1	③	(2) XTCE050D00_	XTPAXFA11
XTSR058DD_	50–58	XTPR058DC1	③	(2) XTCE065D00_	XTPAXFA11
XTSR063DD_	55–65	XTPR063DC1	③	(2) XTCE065D00_	XTPAXFA11

Notes

① Underscore (_) indicates magnetic coil suffix required. See **Page V5-T1-202**.

② The connection between the XTPR…DC1 and the XTCE…C_ contactor will be made with flexible wire and mounted to the DIN rail adapter plate (XTPAXTPCPD).

③ The reversing connection between the XTPR…DC1 and the (2) XTCE…C_ contactors will be accomplished by using the non-reversing combination connection kit (XTPAXTPCD), Frame D reversing link kit (XTCEXRLD), additional DIN rail adapter plate (XTPAXTPCPD) and DIN adapter connection element (XTPAXCNE).