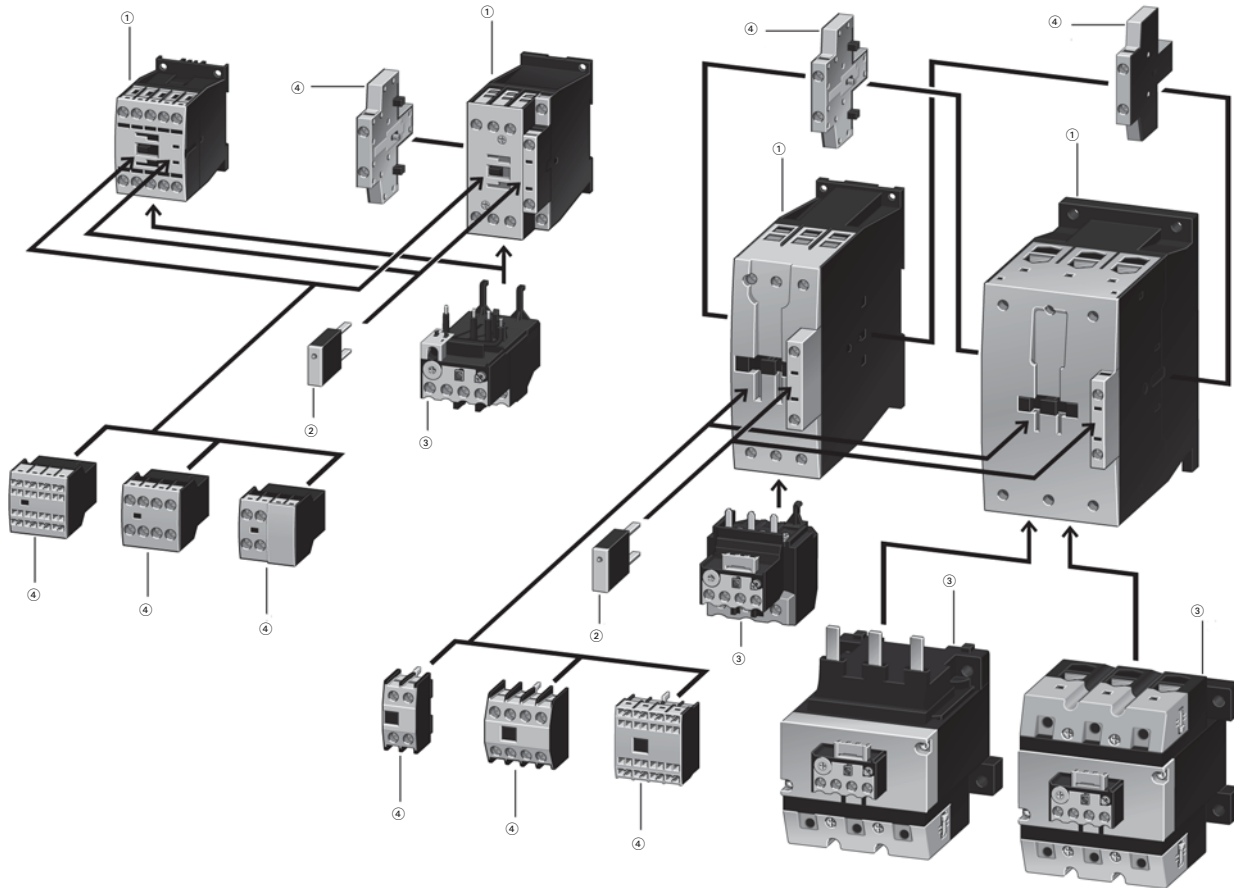


Product Identification

XTCE007B to XTCE170G (7 to 170A) Contactors



Notes

① Contactor up to 170A AC-3 (see Page V5-T1-39)

AC: 12–600V, 50, 60, 50/60 Hz
 $0.8\text{--}1.1 \times U_c$

DC: 12–250V

XTCE...B_ (7–15A): $0.8\text{--}1.1 \times U_c$

XTCE...C_–XTCE...G_ (18–150A): $0.7\text{--}1.2 \times U_c$

24V: $0.7\text{--}1.3 \times U_c$ at 40°C without additional auxiliary contacts

Coils for special voltages

"Safe Isolation" to IEC 536 between coil and contacts

② Suppressors (see Page V5-T1-71)

RC suppressor

Varistor suppressor

Free-wheel diode suppressor

③ Overload Relays (see Page V5-T1-132)

Can be mounted directly

Separate mounting, possible

Protection of EEx e-motors

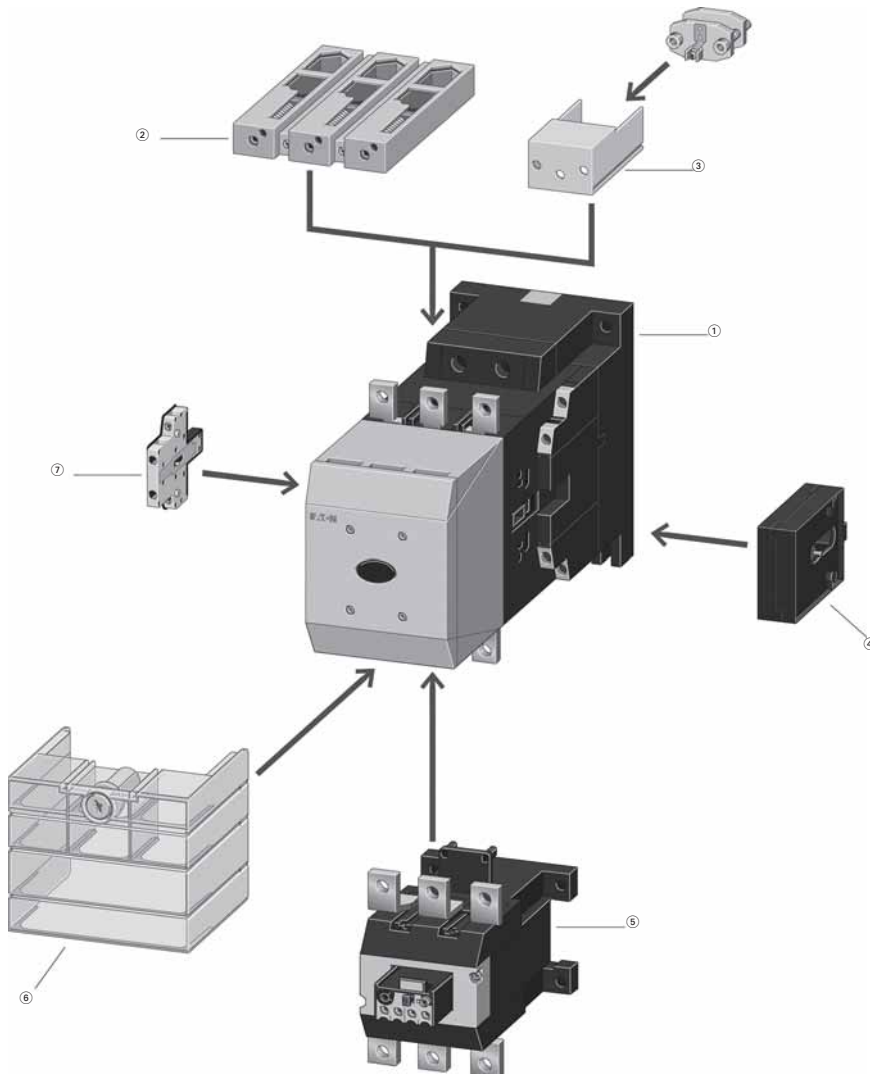
④ Auxiliary Contact Modules (see Page V5-T1-24)

Two-pole, plug-in type

Four-pole, plug-in type

Overlapping contacts

Two-pole, side-mounting

XTCE185–XTCE20 Contactors**Notes**

① **XTCE Contactors for 185–2000A**
(see [Page V5-T1-46](#))

Multi-voltage coils:
24–48 Vdc
48–110 Vac/Vdc
110–250 Vac/Vdc
250–500 Vac
0.7–1.15 x U_c

Actuation options:

Directly

From the PLC

With low-consumption contact

XTCS Contactors for 185–570A AC-3
(see [Page V5-T1-42](#))

Control voltages:

110–120V 50/60 Hz

220–240V 50/60 Hz

Conventional operation

② **Cable Terminal Block**
(see [Page V5-T1-97](#))

One or two conductors per phase
Round and flat conductor connectable
Finger-proof

③ **Flat Strip Conductor Terminals**
(see [Page V5-T1-97](#))

One or two strips per phase
Control circuit terminal
Cover for fingerproofing

④ **Mechanical Interlock**
(see [Page V5-T1-73](#))

Fits between contactors

⑤ **Overload Relays**
(see [Page V5-T1-132](#))

Can be mounted directly
Separate mounting, possible
Protection of EEx e-motors
PTB certificate

⑥ **Terminal Shroud**
(see [Page V5-T1-75](#))

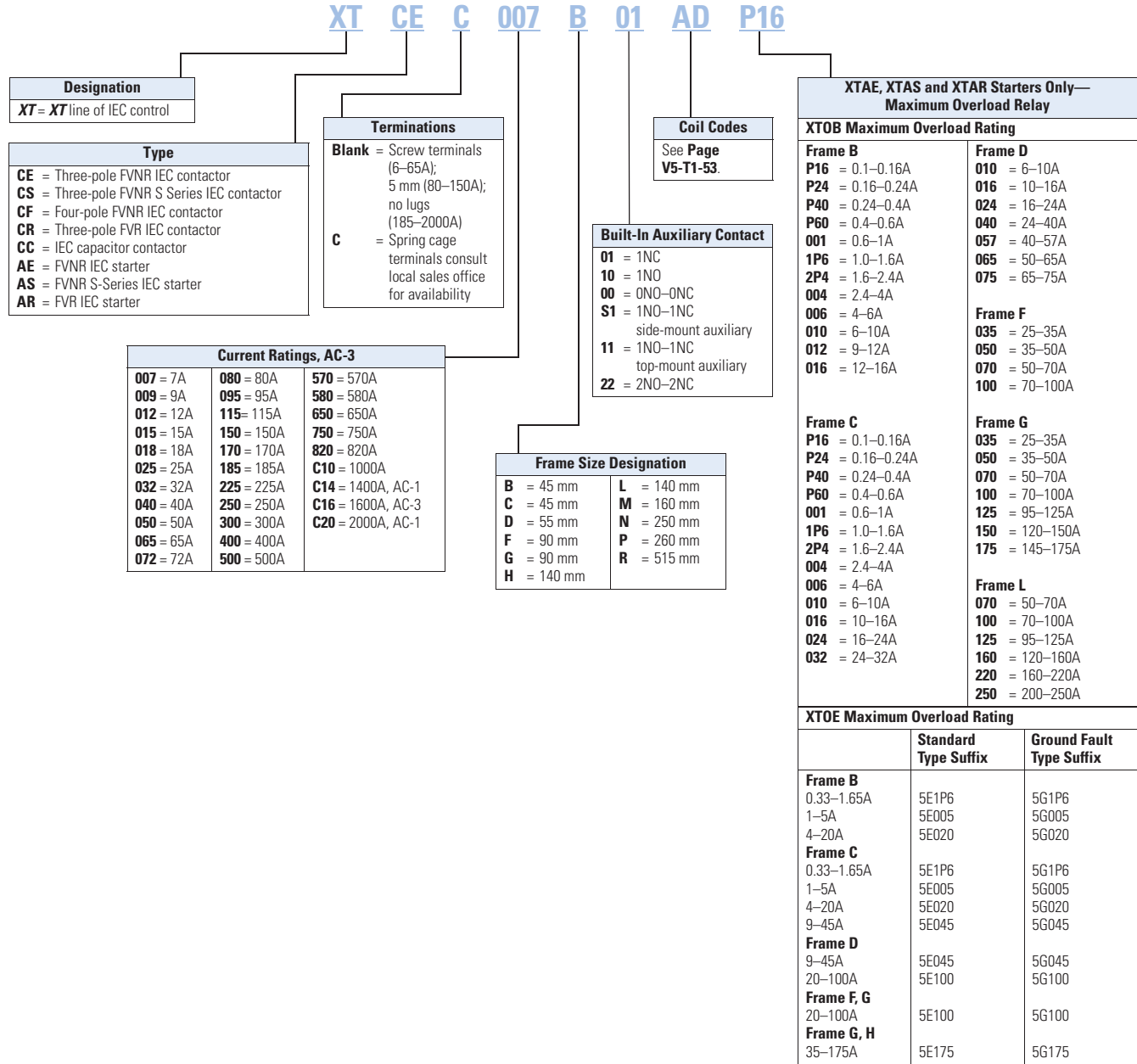
Finger-proof

⑦ **Auxiliary Contact Modules**
(see [Page V5-T1-24](#))

Two-pole, side-mounting

Catalog Number Selection

XT IEC Contactors and Starters



Product Selection

Full Voltage, Non-Reversing Contactors

Frame B



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

UL General Purpose Ampere Rating	Single-Phase hp Ratings			Three-Phase hp Ratings				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
	115V	200V	230V	200V	230V	460V	575V		
20	1/4	3/4	1	1-1/2	2	3	5	1NO	XTCE007B10_
20	1/4	3/4	1	1-1/2	2	3	5	1NC	XTCE007B01_
20	1/2	1	1-1/2	3	3	5	7-1/2	1NO	XTCE009B10_
20	1/2	1	1-1/2	3	3	5	7-1/2	1NC	XTCE009B01_
20	1	2	2	3	3	10 ^③	10	1NO	XTCE012B10_
20	1	2	2	3	3	10 ^③	10	1NC	XTCE012B01_
20	1	2	3	5	5	10 ^③	10	1NO	XTCE015B10_
20	1	2	3	5	5	10 ^③	10	1NC	XTCE015B01_

Three-Pole Contactors, Frame B—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				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V		
7	22	2.2	3	4	3.5	1NO	XTCE007B10_
7	22	2.2	3	4	3.5	1NC	XTCE007B01_
9	22	2.5	4	5.5	4.5	1NO	XTCE009B10_
9	22	2.5	4	5.5	4.5	1NC	XTCE009B01_
12	22	3.5	5.5	7	6.5	1NO	XTCE012B10_
12	22	3.5	5.5	7	6.5	1NC	XTCE012B01_
15.5	22	4	7.5	8	7	1NO	XTCE015B10_
15.5	22	4	7.5	8	7	1NC	XTCE015B01_

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.

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.

③ For electrical life contactor application data. See **Page V5-T1-45**.

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Frame C



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

UL General Purpose Ampere Rating	Single-Phase hp Ratings			Three-Phase hp Ratings				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
	115V	200V	230V	200V	230V	460V	575V		
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_
40	3	5	5	10	10	25	30	1NO	XTCE038C10_
40	3	5	5	10	10	25	30	1NC	XTCE038C01_

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				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V		
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_
38	45	11	18.5	18.5	21	1NO	XTCE038C10_
38	45	11	18.5	18.5	21	1NC	XTCE038C01_

Frame D



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

UL General Purpose Ampere Rating	Single-Phase hp Ratings			Three-Phase hp Ratings				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
	115V	200V	230V	200V	230V	460V	575V		
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				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V		
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: 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.

Frame F



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

UL General Purpose Ampere Rating	Single-Phase hp Ratings			Three-Phase hp Ratings				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
	115V	200V	230V	200V	230V	460V	575V		
125	7-1/2	15	15	25	30	60	75	—	XTCE080F00_
125	7-1/2	15	15	25	30	60	75	1NO-1NC	XTCE080FS1_
125	7-1/2	15	15	25	40	75	100	—	XTCE095F00_
125	7-1/2	15	15	25	40	75	100	1NO-1NC	XTCE095FS1_

Three-Pole Contactors, Frame F—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				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V		
80	110	25	37	48	63	—	XTCE080F00_
80	110	25	37	48	63	1NO-1NC	XTCE080FS1_
95	130	30	45	57	75	—	XTCE095F00_
95	130	30	45	57	75	1NO-1NC	XTCE095FS1_

Frame G



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

UL General Purpose Ampere Rating	Single-Phase hp Ratings			Three-Phase hp Ratings				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
	115V	200V	230V	200V	230V	460V	575V		
160	10	25	25	40	50	100	100	—	XTCE115G00_
160	10	25	25	40	50	100	100	1NO-1NC	XTCE115GS1_
180	10	25	30	40	60	125	125	—	XTCE150G00_
180	10	25	30	40	60	125	125	1NO-1NC	XTCE150GS1_
180	10	25	30	40	60	125	125	—	XTCE170G00_
180	10	25	30	40	60	125	125	1NO-1NC	XTCE170GS1_

Three-Pole Contactors, Frame G—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				Auxiliary Contacts	Screw Terminal Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V		
115	160	37	55	70	90	—	XTCE115G00_
115	160	37	55	70	90	1NO-1NC	XTCE115GS1_
150	190	48	75	91	96	—	XTCE150G00_
150	190	48	75	91	96	1NO-1NC	XTCE150GS1_
170	225	52	90	100	96	—	XTCE170G00_
170	225	52	90	100	96	1NO-1NC	XTCE170GS1_

Notes

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: 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.

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Frame H



Three-Pole Contactors, Frame H (Electronic Coil)—UL/CSA Ratings

UL General Purpose Ampere Rating	Three-Phase hp Ratings				Auxiliary Contacts	Catalog Number ^{①②③}
	200V	240V	480V	600V		
250	50	60	125	150	2NO-2NC	XTCE185H22_
250	60	75	150	200	2NO-2NC	XTCE225H22_

Three-Pole Contactors, Frame H (Electronic Coil)—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				Auxiliary Contacts	Catalog Number ^{①②③}
		220/230V	380/400V	660/690V ^④	1000V ^④		
185	337	55	90	140	108	2NO-2NC	XTCE185H22_
225	386	70	110	215	108	2NO-2NC	XTCE225H22_

Frame L



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

UL General Purpose Ampere Rating	Three-Phase hp Ratings				Auxiliary Contacts	Catalog Number ^{①②}
	200V	230V	460V	575V		
Standard Coil (110/120V, 230/240 Vac Coil Only)						
300	75	100	200	250	2NO-2NC	XTCS250L22_
350	100	125	250	300	2NO-2NC	XTCS300L22_
Electronic Coil						
300	75	100	200	250	2NO-2NC	XTCE250L22_
350	100	125	250	300	2NO-2NC	XTCE300L22_

Three-Pole Contactors, Frame L—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				Auxiliary Contacts	Catalog Number ^{①②}
		220/230V	380/400V	660/690V ^④	1000V ^④		
Standard Coil (110/120V, 230/240 Vac Coil Only)							
250	429	75	132	240	108	2NO-2NC	XTCS250L22_
300	490	90	160	195	132	2NO-2NC	XTCS300L22_
Electronic Coil							
250	429	75	132	240	108	2NO-2NC	XTCE250L22_
300	490	90	160	195	132	2NO-2NC	XTCE300L22_

Notes

- ① Underscore (_) indicates magnet coil suffix required. See **Page V5-T1-53**. Terminals not included. See **Page V5-T1-75** for terminal accessories.
- ② Does not include lugs.
- ③ Add “-S730” to the end of the catalog number after the coil voltage to configure as extended H frame model. Extended H frame will align with L frame contactor for interlocks and mounting height. Consult Vista/Eaton care for availability of extended base models
- ④ For 185–500A contactors at 660/690V or 1000V: Do not reverse directly.

Frame M



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

UL General Purpose Ampere Rating	Three-Phase hp Ratings				Auxiliary Contacts	Catalog Number ^{①②}
	200V	230V	460V	575V		
Standard Coil (110/120V, 230/240 Vac Coil Only)						
450	125	150	300	400	2NO-2NC	XTCS400M22_
550	150	200	400	500	2NO-2NC	XTCS500M22_
Electronic Coil						
450	125	150	300	400	2NO-2NC	XTCE400M22_
550	150	200	400	500	2NO-2NC	XTCE500M22_

Three-Pole Contactors, Frame M—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					Auxiliary Contacts	Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V ^③	1000V ^③		
Standard Coil (110/120V, 230/240 Vac Coil Only)								
400	612	125	200	240	344	132	2NO-2NC	XTCS400M22_
500	800	155	250	300	344	132	2NO-2NC	XTCS500M22_
Electronic Coil								
400	612	125	200	240	344	132	2NO-2NC	XTCE400M22_
500	800	155	250	300	344	132	2NO-2NC	XTCE500M22_

Notes

- ① Underscore (_) indicates magnet coil suffix required. See **Page V5-T1-53**. Terminals not included. See **Page V5-T1-75** for terminal accessories.
 ② Does not include lugs.
 ③ For 185–500A contactors at 660/690V or 1000V: Do not reverse directly.

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Frame N



Three-Pole Contactors, Frame N (Electronic Coil)—UL/CSA Ratings

UL General Purpose Ampere Rating	Three-Phase hp Ratings				Auxiliary Contacts	Catalog Number ^{①②}
	200V	230V	460V	575V		
630	200	200	400	600	2NO-2NC	XTCE580N22_ ^③
700	200	250	500	600	2NO-2NC	XTCE650N22_ ^③
800	250	300	600	700	2NO-2NC	XTCE750N22_ ^③
850	290	350	700	860	2NO-2NC	XTCE820N22_ ^③
1100	350	420	850	980	2NO-2NC	XTCEC10N22_ ^③

Three-Pole Contactors, Frame N (Electronic Coil)—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					Auxiliary Contacts	Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V ^④	1000V ^④		
580	980	185	315	348	560	600	2NO-2NC	XTCE580N22_ ^③
650	1041	205	355	390	630	600	2NO-2NC	XTCE650N22_ ^③
750	1102	240	400	455	720	800	2NO-2NC	XTCE750N22_ ^③
820	1225	260	450	500	750	800	2NO-2NC	XTCE820N22_ ^③
1000	1225	315	560	610	1000	1000	2NO-2NC	XTCEC10N22_ ^③

Frame P



Three-Pole Contactors, Frame P (Electronic Coil)—UL/CSA Ratings

UL General Purpose Ampere Rating	Three-Phase hp Ratings				Auxiliary Contacts	Catalog Number ^{①②}
	200V	230V	460V	575V		
1400	—	—	—	—	2NO-2NC	XTCEC14P22_ ^③

Three-Pole Contactors, Frame P (Electronic Coil)—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					Auxiliary Contacts	Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V ^④	1000V ^④		
—	1714	—	—	—	—	—	2NO-2NC	XTCEC14P22_ ^③

Frame R



Three-Pole Contactors, Frame R (Electronic Coil)—UL/CSA Ratings

UL General Purpose Ampere Rating	Three-Phase hp Ratings				Auxiliary Contacts	Catalog Number ^{①②}
	200V	230V	460V	575V		
1600	560	640	1200	1300	2NO-2NC	XTCEC16R22_ ^③
2000	—	—	—	—	2NO-2NC	XTCEC20R22_ ^③

Three-Pole Contactors, Frame R (Electronic Coil)—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					Auxiliary Contacts	Catalog Number ^{①②}
		220/230V	380/400V	415V	660/690V ^④	1000V ^④		
1600	2200	500	900	900	1600	1700	2NO-2NC	XTCEC16R22_ ^③
—	2450	—	—	—	—	—	2NO-2NC	XTCEC20R22_ ^③

Notes

- ① Underscore () indicates magnet coil suffix required. See **Page V5-T1-53**. Terminals not included. See **Page V5-T1-75** for terminal accessories.
- ② Does not include lugs.
- ③ When operating the 580–2000A XTCE contactors with frequency inverters, the suppressor on the load side must be removed. The load side suppressor must also be removed when performing a high-voltage test—see Pub51204, Pub51209.
- ④ For 185–500A contactors at 660/690V or 1000V: do not reverse directly.