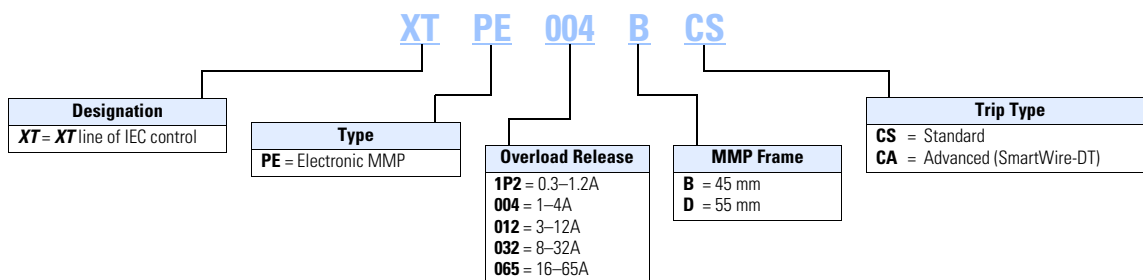


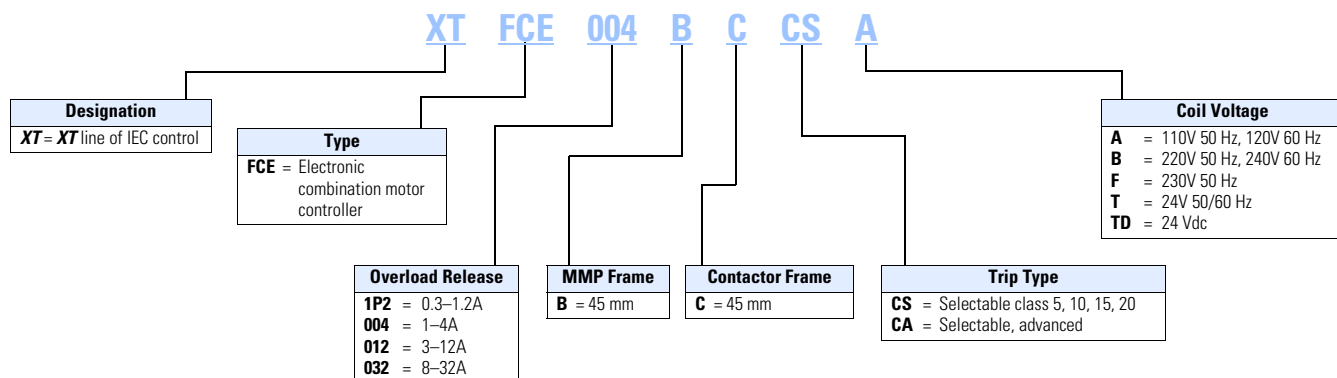
1

Catalog Number Selection

XT—Manual Motor Protector



XT—Combinations



B Frame

MMP Used with SmartWire-DT—Complete Assembly



Overload Release Setting Amp Range	UL/CSA Maximum Motor hp Ratings				IEC Maximum Motor kW Ratings					Complete Manual Motor Protector	
										Type Number	Catalog Number
	200V	230V	460V	575V	220V 230V 240V	380V 400V 415V	440V	500V	600V 690V		
0.3–1.2	①	①	0.5	0.5	0.18	0.37	0.37	0.37	0.75	PKE12/XTUA-1,2	XTPE1P2BCA
1–4	0.75	0.75	2	3	0.75	1.5	1.5	2.2	3	PKE12/XTUA-4	XTPE004BCA
3–12	3	3	7.5	10	3	5.5	5.5	5.5	7.5	PKE12/XTUA-12	XTPE012BCA
8–32	5	7.5	15	20	7.5	15	15	18.5	30	PKE32/XTUA-32	XTPE032BCA

UL 508 Type E XT Electronic Combination Motor Controllers—Complete Assembly Including Trip Unit

B Frame

B Frame Electronic MMP with C Frame Contactor



Overload Release Setting Amp Range	UL/CSA Maximum Three-Phase hp Ratings					Maximum Single-Phase hp Ratings			Catalog Number Standard	Catalog Number With SmartWire-DT
	200V	240V	380V/ 415V	480V/ 277V	600V/ 347V	115V	200V	240V		
0.3–1.2	①	①	①	①	0.5	①	①	①	XTFCE1P2BCCS_③	XTFCE1P2BCCATD ③
1–4	0.75	0.75	1.5	2	—	0.125	0.25	0.33	XTFCE004BCCS_④	XTFCE004BCCATD ④
3–12	3	3	5	7.5	—	0.5	1	1.5	XTFCE012BCCS_④	XTFCE012BCCATD ④
8–32	5	5	10	15	—	1.5	3	3	XTFCE032BCCS_④	XTFCE032BCCATD ④

Notes

- ① In this range, calculate motor rating according to rated current. Specified values to NEC 430.6 (A) (1).
 ② Complete the catalog number by replacing the underscore () with the coil suffix from **Page V5-T1-243**.
 ③ SCCR: 14 kA, 600 Vac
 ④ SCCR: 18 kA, 480 Vac

400, 415V Type 2 Coordination—Contactor with Circuit Breaker ^①

P (kW)	I _e (A)	I _g (kA)	Circuit Breaker—MCP	Contactor Catalog Number
1.50	3.60	50	HMCPE015E0C	XTCE018C10_
2.20	5.00	50	HMCPE015E0C	XTCE018C10_
3.00	6.60	50	HMCPE015E0C	XTCE018C10_
4.00	8.50	50	HMCPE015E0C	XTCE018C10_
5.50	11.3	50	HMCPE015E0C	XTCE018C10_
7.50	16.0	50	HMCPE015E0C	XTCE018C10_
11.0	21.7	50	HMCPE100R3C	XTCE040D00_
15.0	29.3	50	HMCPE100R3C	XTCE040D00_
18.5	36.0	50	HMCPE100R3C	XTCE040D00_
22.0	41.0	50	HMCPE100R3C	XTCE050D00_
30.0	55.0	50	HMCPE100R3C	XTCE065D00_
37.0	68.0	80	HMCPE100R3C	XTCE080F00_
45.0	81.0	80	HMCPE100R3C	XTCE095F00_
55.0	99.0	80	HMCPE100R3C	XTCE115G00_
75.0	134.0	80	HMCPE100R3C	XTCE150G00_
90.0	161.0	80	HMCPE100R3C	XTCE185L22_
110.0	196.0	80	HMCPE100R3C	XTCE225L22_
132.0	231.0	70	HMCPE100R3C	XTCE300M22_
160.0	279.0	70	HMCPE100R3C	XTCE300M22_
200.0	350.0	70	HMCPE100R3C	XTCE400M22_
250.0	430.0	70	HMCPE100R3C	XTCE500M22_

480V Type 2 Coordination—Contactor with Circuit Breaker ^①

P (hp)	I _e (A)	I _g (kA)	Circuit Breaker—MCP	Contactor Catalog Number
50.0	65.0	65	HMCPE100R3C	XTCE080F00_
60.0	77.0	65	HMCPE100R3C	XTCE080F00_
150.0	180.0	50	HMCPE100R3C	XTCE300M00_
200.0	240.0	50	HMCPE100R3C	XTCE300M22_
250.0	300.0	50	HMCPE100R3C	XTCE300M22_
300.0	361.0	50	HMCPE100R3C	XTCE400M00_
350.0	414.0	50	HMCPE100R3C	XTCE500M00_

Magnet Coil Suffix**Frames A–B**

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

Frames C–F

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

Frame G

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

Frames L–M

Coil Voltage	Suffix Code
110–250V 40–60 Hz/DC	A
250–500V 40–60 Hz/DC	C
48–110V 40–60 Hz/DC	Y ^③
24–48 Vdc	TD ^③

Wye-Delta (Star-Delta) Applications

If Type 2 Coordination is required when using wye-delta starters, the full voltage (direct on-line) test data that is included in this document is valid. To ensure proper

protection, the K1M (main), K3M (star) and K5M (delta) contactors must all be the same size (amperage). For wye-delta starter kits, please see **Page V5-T1-55**.

Notes

- ① For use with magnetic sensing means to monitor motor current.
- ② Underscore (_) indicates magnet coil code required. See magnet coil suffix tables on this page.
- ③ With DC operation: integrated diode-resistor combination, coil rating 2.6W.