

Cover Control

Non-reversing

Flange Control Kits

For on-the-job conversion of Type 1, 3R, 4X and 12 enclosed starters. Knockouts are provided on the Type 1 flange. Type 3R, 4X and 12 have prepunched holes with removable hole plugs.

Factory Installed Pilot Devices

To order factory installed pilot devices, change the 9th character of the Catalogue Number to the alpha shown in the table below. Example: to order an **ECN0514CAA** with START/STOP pushbuttons and a red pilot light, change the **A** to a **C**, i.e. **ECN0514CCA**.



Figure 3-1

Figure 3-2

Reversing

Flange Control Kits

For on-the-job conversion of Type 1, 3R, 4X and 12 enclosed starters. Knockouts are provided on the Type 1 flange. Type 3R, 4X and 12 have prepunched holes with removable hole plugs.

Factory Installed Pilot Devices

To order factory installed pilot devices, change the 9th character of the Catalogue Number to the alpha shown in the table below. Example: to order an **ECN0614CAA** with FOR/REV/STOP pushbuttons and 2 red pilot lights, change the **A** to a **C**, i.e. **ECN0614CCA**.



Figure 3-3

Figure 3-4

Table 3-1. Non-reversing Pilot Devices

Description	Factory Installed Flange Control		Field Installation Kits		
	Position 9 Alpha	Non-combination ^① See Figure 3-1	Combination ^② See Figure 3-2	Non-combination ^① See Figure 3-1 Catalogue Number	Combination ^② See Figure 3-2 Catalogue Number
No Cover Mounted Pilot Devices	A	■	■	■C400GK0	—
START/STOP Pushbuttons	B	■	■	■C400GK1	C400T1
with Red RUN Pilot Light	C	■	■	■C400GK12 ^③	—
with Red RUN/Green OFF Lights	D	■	■	■C400GK16 ^③	—
ON/OFF Pushbuttons	E	—	—	■	C400T2
with Red RUN Pilot Light	F	—	—	■	—
with Red RUN/Green OFF Lights	G	—	—	■	—
HAND/OFF/AUTO Selector Switch	H	■	■	■C400GK3	C400T12
with Red RUN Pilot Light	J	■	■	■C400GK32 ^③	—
with Red RUN/Green OFF Lights	K	■	■	■C400GK36 ^③	—
START Pushbutton	L	—	—	■	C400T3
ON Pushbutton	M	—	—	■	C400T4
OFF Pushbutton	N	—	—	■	C400T5
Red RUN Pilot Light	P	■	■	■C400GK42 ^③	C400T9 ^③
Green OFF	Q	■	■	■C400GK41 ^③	C400T10 ^③
Red RUN/Green OFF Pilot Lights	R	■	■	■C400GK46 ^③	C400T11 ^③
START/STOP Selector Switch	S	—	—	■	C400T13
with Red RUN Pilot Light	T	—	—	■	—
with Red RUN/Green OFF Lights	U	—	—	■	—
ON/OFF Selector Switch	V	—	—	■	C400T14
with Red RUN Pilot Light	W	—	—	■	—
with Red RUN/Green OFF Lights	X	—	—	■	—

① Type 1, NEMA Sizes 00 – 4/IEC Frames A – M Non-combination ONLY.

② Type 1, NEMA Sizes 5 – 9/IEC Frames N – V Non-combination PLUS all Type 3R, 4X, 12 Non-combination PLUS all Combination.

③ Add Code Letter from the table below to Catalogue Number for voltage — Kits only. Example: C400T9B.

Rating	Code Letter	Rating	Code Letter	Rating	Code Letter
120V 60 Hz	A	240V 60 Hz	B	480V 60 Hz	C
208V 60 Hz	E	380V 50 Hz	L	600V 60 Hz	D

Table 3-2. Reversing Pilot Devices

Description	Factory Installed Flange Control		Field Installation Kits		
	Position 9 Alpha	Non-combination ^④ See Figure 3-3	Combination ^⑤ See Figure 3-4	Non-combination ^④ See Figure 3-3 Catalogue Number	Combination ^⑤ See Figure 3-4 Catalogue Number
No Cover Mounted Pilot Devices	A	■	■	■C400GK0	—
FOR/REV/STOP Pushbuttons	B	■	■	■C400GR1	C400T6
with 2 Red Pilot Lights	C	■	■	■C400GR14 ^⑥	—
with 2 Red/1 Green Pilot Lights	D	—	—	■	—
UP/STOP/DOWN Pushbuttons	E	■	■	■C400GR2	—
with 2 Red Pilot Lights	F	■	■	■C400GR24 ^⑥	—
FOR/OFF/REV Selector Switch	H	—	—	■	C400T15
with 2 Red Pilot Lights	J	—	—	■	—
with 2 Red/1 Green Pilot Lights	K	—	—	■	—
Two Red Pilot Lights	P	■	■	■C400GK44 ^⑥	⑦
One Green Pilot Light	Q	■	■	■C400GK41 ^⑥	C400T10 ^⑥
Two Red/One Green Pilot Lights	R	—	—	■	—
OPEN/OFF/CLOSE Selector Switch	V	—	—	■	C400T16
with 2 Red Pilot Lights	W	—	—	■	—
with 2 Red/1 Green Pilot Lights	X	—	—	■	—

④ Type 1, NEMA Sizes 00 – 4/IEC Frames A – M Non-combination ONLY.

⑤ Type 1, NEMA Sizes 5 – 9/IEC Frames N – V Non-combination PLUS all Type 3R, 4X, 12 Non-combination PLUS all Combination.

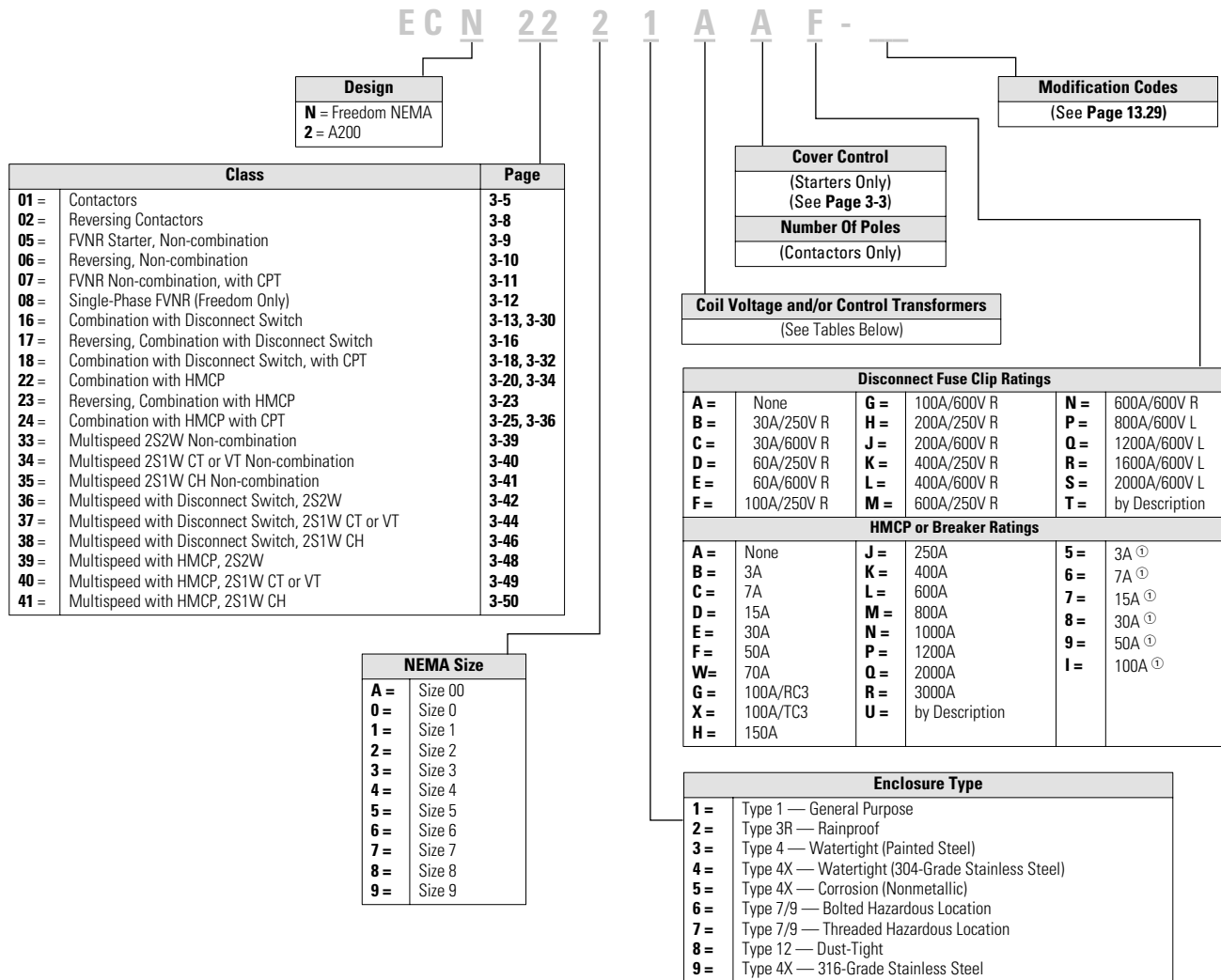
⑥ Add Code Letter from the table below to Catalogue Number for voltage. Example: C400T10B.

Rating	Code Letter	Rating	Code Letter	Rating	Code Letter
120V 60 Hz	A	240V 60 Hz	B	480V 60 Hz	C
208V 60 Hz	E	380V 50 Hz	L	600V 60 Hz	D

⑦ Order Quantity (2) of **C400T9**.

Catalogue Number Selection

Table 3-3. NEMA Freedom Line Enclosed Control Catalogue Numbering System



① Use for Sizes 0 – 3, HMCP 600V applications only.

Table 3-4. Magnetic Coil Codes (System Voltage) ②

Code	Magnet Coil	Code	Magnet Coil	Code	Magnet Coil
A	120/60 110/50	K	240/50	U	24/50
B	240/60 220/50	L	380/50	V	32/50
C	460/60 440/50	M	415/50	W	48/60
D	575/60 550/50	P	12V DC	X	104 – 120/60
E	208/60	Q	24V DC	Y	48/50
G	550/50	R	48V DC	Z	By Description
H	277/60	S	125V DC		
J	208 – 240/60	T	24/60		

② When control power transformer modification codes (C1 – C11) are used or when starter class includes CPT (i.e. ECN07, 18) see table to the right for system voltage code.

Table 3-5. Control Power Transformer/Separate Control Codes (System Voltage)

Code	Primary	Secondary
B/BA	240/480 – 220/440 Wired for 240V	120/60 – 110/50
C/CA	240/480 – 220/440 Wired for 480V	120/60 – 110/50
D/DA	600/60 – 550/50	120/60 – 110/50
E/EA	208/60	120/60
H/HA	277/60	120/60
L/LA	380/50	110/50
M/MA	415/50	110/50
Q/ET	208/60	24
R/BT	240/480 – 220/440 Wired for 240V	24
S/CT	240/480 – 220/440 Wired for 480V	24
T/DT	600/60	24
U/UT	277/60	24
V/VT	380/50	24
W/WT	415/50	24
X	240/480/600 Wired for 480V	120
Y	240/480/600 Wired for 480V	24
Z	By Description	