

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

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	<b>A</b>	240V 60 Hz	<b>B</b>	480V 60 Hz	<b>C</b>
208V 60 Hz	<b>E</b>	380V 50 Hz	<b>L</b>	600V 60 Hz	<b>D</b>

Table 3-2. Reversing Pilot Devices

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

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.

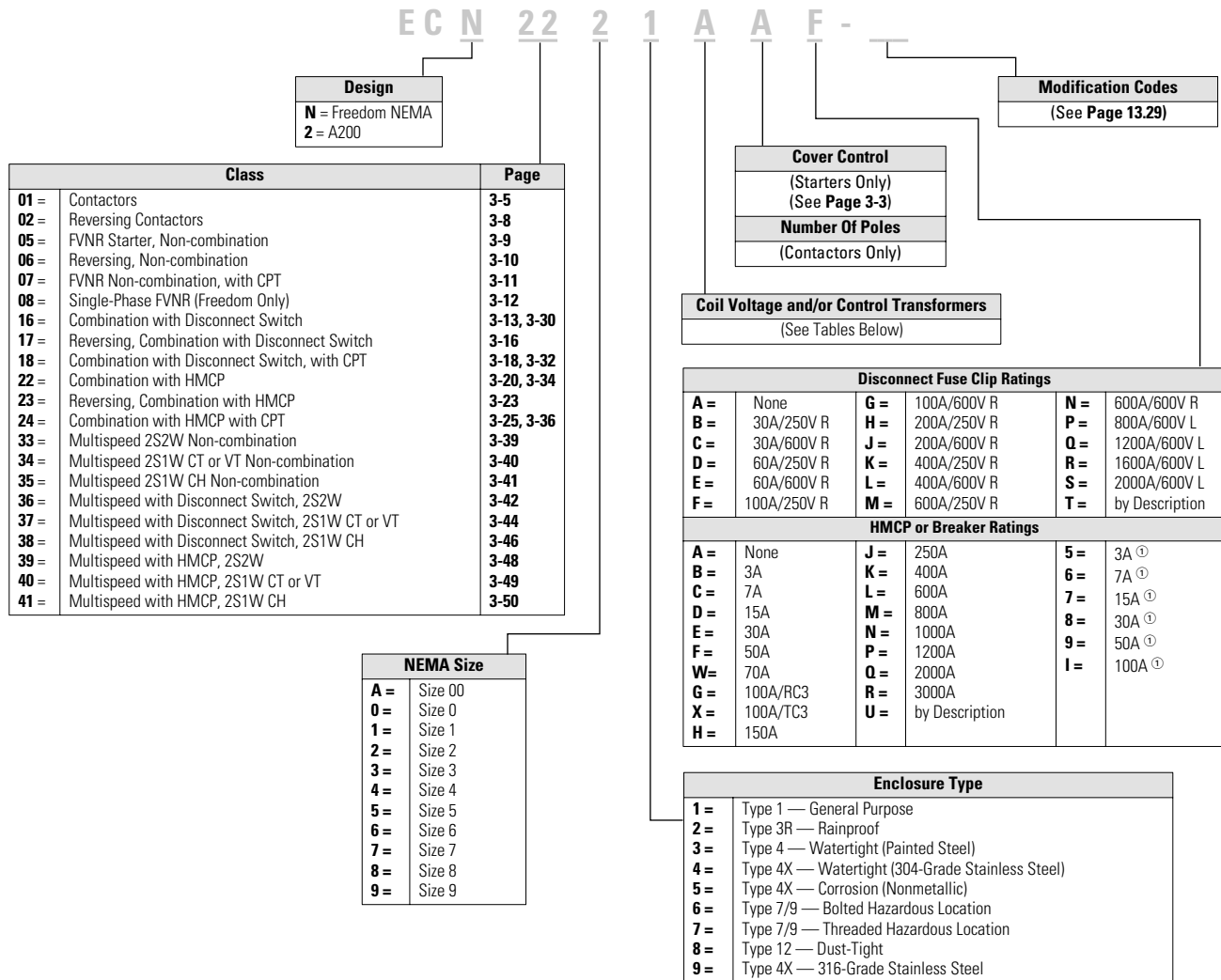
⑥ Add Code Letter from the table below to Catalogue Number for voltage. Example: C400T10B.

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

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	