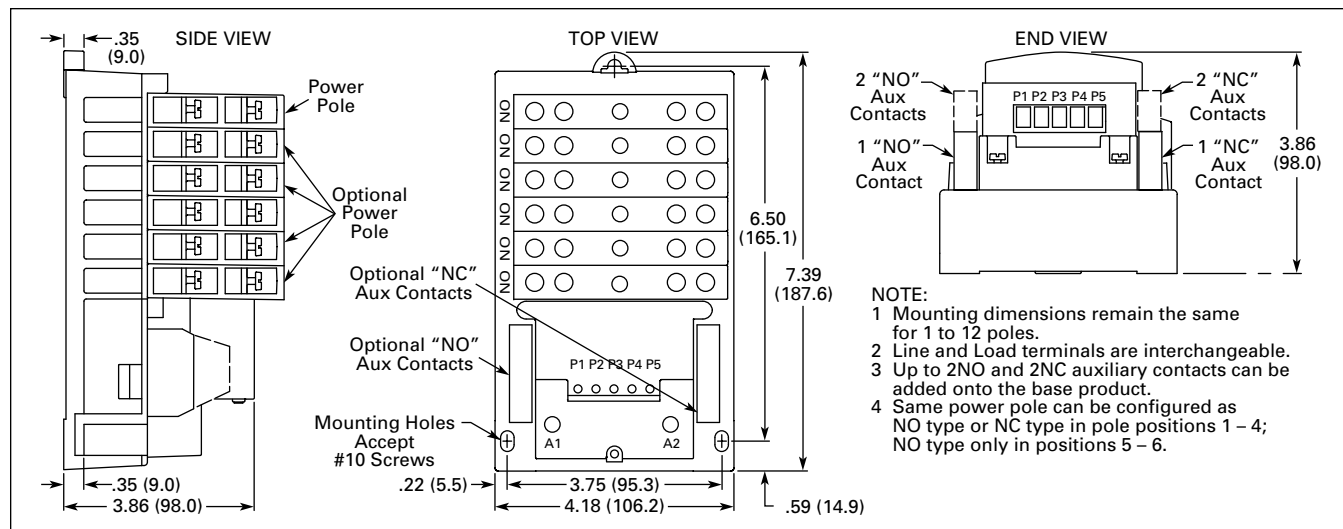


### C30CN Mechanically Held and Electrically Held

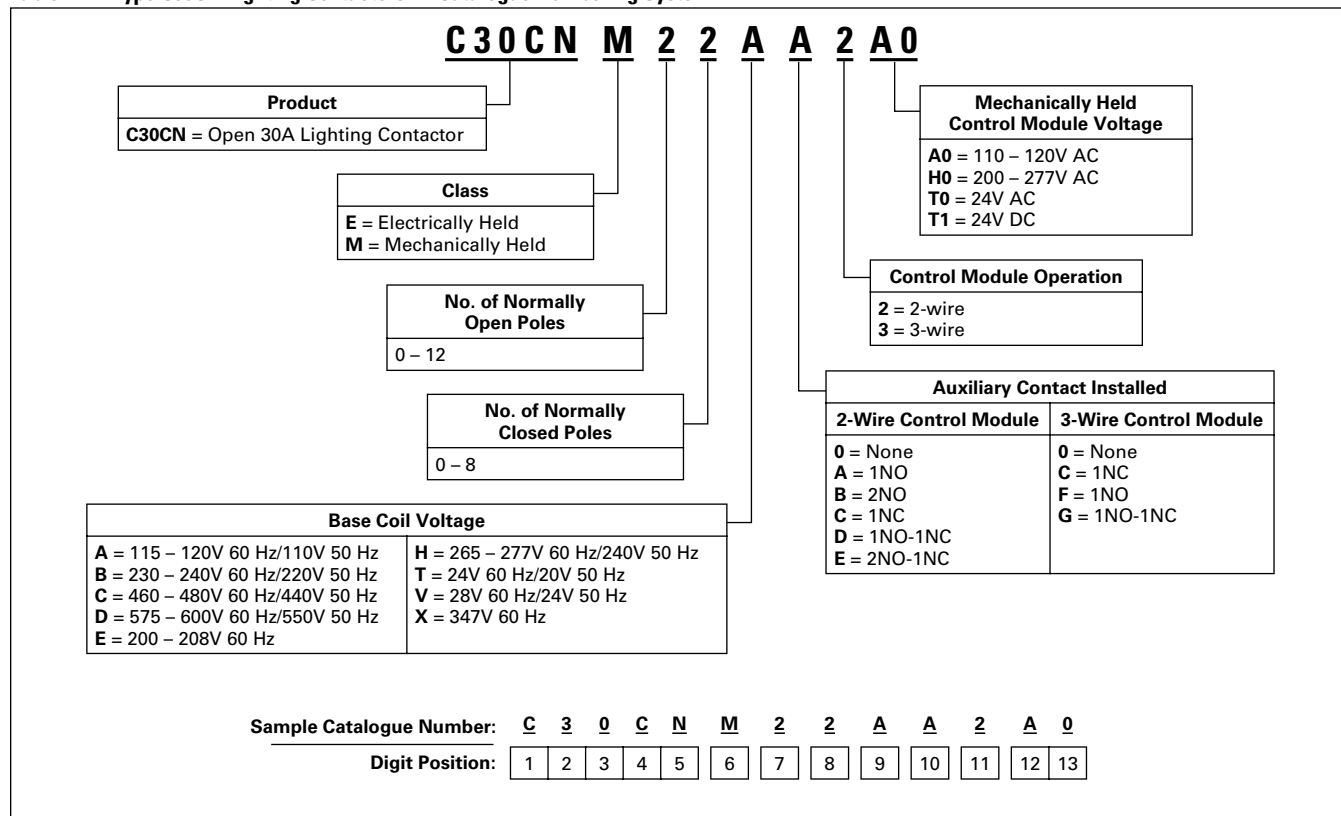
## Dimensions



**Figure E-7. Approximate Dimensions in Inches (mm)**

## Catalogue Number Selection

**Table E-27. Type C30CN Lighting Contactors — Catalogue Numbering System**



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## C30CN Mechanically Held

## Product Selection

## 2-Wire Mechanically Held Lighting Contactors — Standard Assembled Forms

The Standard Assembled Forms in **Table E-28** are 2-wire open mechanically held 30 amp lighting contactors with 120V 60 Hz/ 110V 50 Hz base coil voltage, 120V control module voltage, and no additional auxiliary contacts. To change the base coil voltage, auxiliary contact options or control module voltage, refer to **Tables E-29, E-30** and **E-31** respectively.

Table E-28. 2-Wire Mechanically Held Lighting Contactors — Standard Assembled Forms Product Selection

| No. of Poles | NO | NC | Catalogue Number ①②③ | Price |
|--------------|----|----|----------------------|-------|
| 2            | 0  | 2  | C30CNM02A02A0        |       |
|              | 1  | 1  | C30CNM11A02A0        |       |
|              | 2  | 0  | C30CNM20A02A0        |       |
| 3            | 0  | 3  | C30CNM03A02A0        |       |
|              | 1  | 2  | C30CNM12A02A0        |       |
|              | 2  | 1  | C30CNM21A02A0        |       |
|              | 3  | 0  | C30CNM30A02A0        |       |
| 4            | 0  | 4  | C30CNM04A02A0        |       |
|              | 1  | 3  | C30CNM13A02A0        |       |
|              | 2  | 2  | C30CNM22A02A0        |       |
|              | 3  | 1  | C30CNM31A02A0        |       |
|              | 4  | 0  | C30CNM40A02A0        |       |
| 5            | 0  | 5  | C30CNM05A02A0        |       |
|              | 1  | 4  | C30CNM14A02A0        |       |
|              | 2  | 3  | C30CNM23A02A0        |       |
|              | 3  | 2  | C30CNM32A02A0        |       |
|              | 4  | 1  | C30CNM41A02A0        |       |
|              | 5  | 0  | C30CNM50A02A0        |       |
| 6            | 0  | 6  | C30CNM06A02A0        |       |
|              | 1  | 5  | C30CNM15A02A0        |       |
|              | 2  | 4  | C30CNM24A02A0        |       |
|              | 3  | 3  | C30CNM33A02A0        |       |
|              | 4  | 2  | C30CNM42A02A0        |       |
|              | 5  | 1  | C30CNM51A02A0        |       |
|              | 6  | 0  | C30CNM60A02A0        |       |
| 7            | 0  | 7  | C30CNM07A02A0        |       |
|              | 1  | 6  | C30CNM16A02A0        |       |
|              | 2  | 5  | C30CNM25A02A0        |       |
|              | 3  | 4  | C30CNM34A02A0        |       |
|              | 4  | 3  | C30CNM43A02A0        |       |
|              | 5  | 2  | C30CNM52A02A0        |       |
|              | 6  | 1  | C30CNM61A02A0        |       |
|              | 7  | 0  | C30CNM70A02A0        |       |
| 8            | 0  | 8  | C30CNM08A02A0        |       |
|              | 1  | 7  | C30CNM17A02A0        |       |
|              | 2  | 6  | C30CNM26A02A0        |       |
|              | 3  | 5  | C30CNM35A02A0        |       |
|              | 4  | 4  | C30CNM44A02A0        |       |
|              | 5  | 3  | C30CNM53A02A0        |       |
|              | 6  | 2  | C30CNM62A02A0        |       |
|              | 7  | 1  | C30CNM71A02A0        |       |
|              | 8  | 0  | C30CNM80A02A0        |       |
| 9            | 1  | 8  | C30CNM18A02A0        |       |
|              | 2  | 7  | C30CNM27A02A0        |       |
|              | 3  | 6  | C30CNM36A02A0        |       |
|              | 4  | 5  | C30CNM45A02A0        |       |
|              | 5  | 4  | C30CNM54A02A0        |       |
|              | 6  | 3  | C30CNM63A02A0        |       |
|              | 7  | 2  | C30CNM72A02A0        |       |
|              | 8  | 1  | C30CNM81A02A0        |       |
|              | 9  | 0  | C30CNM90A02A0        |       |
| 10           | 2  | 8  | C30CNM28A02A0        |       |
|              | 3  | 7  | C30CNM37A02A0        |       |
|              | 4  | 6  | C30CNM46A02A0        |       |
|              | 5  | 5  | C30CNM55A02A0        |       |
|              | 6  | 4  | C30CNM64A02A0        |       |
|              | 7  | 3  | C30CNM73A02A0        |       |
|              | 8  | 2  | C30CNM82A02A0        |       |
|              | 9  | 1  | C30CNM91A02A0        |       |
|              | 10 | 0  | C30CNM100A02A0       |       |

| No. of Poles | NO | NC | Catalogue Number ①②③ | Price |
|--------------|----|----|----------------------|-------|
| 11           | 3  | 8  | C30CNM38A02A0        |       |
|              | 4  | 7  | C30CNM47A02A0        |       |
|              | 5  | 6  | C30CNM56A02A0        |       |
|              | 6  | 5  | C30CNM65A02A0        |       |
|              | 7  | 4  | C30CNM74A02A0        |       |
|              | 8  | 3  | C30CNM83A02A0        |       |
|              | 9  | 2  | C30CNM92A02A0        |       |
|              | 10 | 1  | C30CNM101A02A0       |       |
|              | 11 | 0  | C30CNM110A02A0       |       |
| 12           | 4  | 8  | C30CNM48A02A0        |       |
|              | 6  | 6  | C30CNM66A02A0        |       |
|              | 8  | 4  | C30CNM84A02A0        |       |
|              | 10 | 2  | C30CNM102A02A0       |       |
|              | 12 | 0  | C30CNM120A02A0       |       |

- ① To change the base coil voltage, replace the content of Position 9 with the appropriate Code Suffix from **Table E-29**.
- ② To change auxiliary contact options, replace the content of Position 10 with the appropriate Code Suffix from **Table E-30**.
- ③ To change the control module voltage, replace the content of Positions 12-13 with the appropriate Code Suffix from **Table E-31**.

Table E-29. Base Coil Voltage (Digit 9)

| Voltage                     | Code Suffix | Adder |
|-----------------------------|-------------|-------|
| 115 – 120V 60 Hz/110V 50 Hz | A           |       |
| 230 – 240V 60 Hz/220V 50 Hz | B           |       |
| 460 – 480V 60 Hz/440V 50 Hz | C           |       |
| 575 – 600V 60 Hz/550V 50 Hz | D           |       |
| 200 – 208V 60 Hz            | E           |       |
| 265 – 277V 60 Hz/240V 50 Hz | H           |       |
| 24V 60 Hz/20V 50 Hz         | T           |       |
| 28V 60 Hz/24V 50 Hz         | V           |       |
| 347V 60 Hz                  | X           |       |

Table E-30. Auxiliary Contact Installed (Digit 10)

| Control Module | Circuit | Code Suffix | Adder |
|----------------|---------|-------------|-------|
| 2-wire         | None    | 0           |       |
|                | 1NO     | A           |       |
|                | 2NO     | B           |       |
|                | 1NC     | C           |       |
|                | 1NO-1NC | D           |       |
|                | 2NO-1NC | E           |       |

Table E-31. Control Module Voltage (Digit 12-13)

| Coil Module   | Code Suffix | Adder |
|---------------|-------------|-------|
| 110 – 120V AC | A0          |       |
| 200 – 277V AC | H0          |       |
| 24V AC        | T0          |       |
| 12 – 24V DC   | T1          |       |

## C30CN Mechanically Held

## 3-Wire Mechanically Held Lighting Contactors — Standard Assembled Forms

The Standard Assembled Forms in **Table E-32** are 3-wire open mechanically held 30 amp lighting contactors with 120V 60 Hz/110V 50 Hz base coil voltage, 120V control module voltage, and no additional auxiliary contacts. To change the base coil voltage, auxiliary contact options or control module voltage, refer to **Tables E-33**, **E-34** and **E-35** respectively.

Table E-32. 3-Wire Mechanically Held Lighting Contactors — Standard Assembled Forms Product Selection

| No. of Poles | NO | NC | Catalogue Number ①②③ | Price |
|--------------|----|----|----------------------|-------|
| 2            | 0  | 2  | C30CNM02A03A0        |       |
|              | 1  | 1  | C30CNM11A03A0        |       |
|              | 2  | 0  | C30CNM20A03A0        |       |
| 3            | 0  | 3  | C30CNM03A03A0        |       |
|              | 1  | 2  | C30CNM12A03A0        |       |
|              | 2  | 1  | C30CNM21A03A0        |       |
|              | 3  | 0  | C30CNM30A03A0        |       |
| 4            | 0  | 4  | C30CNM04A03A0        |       |
|              | 1  | 3  | C30CNM13A03A0        |       |
|              | 2  | 2  | C30CNM22A03A0        |       |
|              | 3  | 1  | C30CNM31A03A0        |       |
|              | 4  | 0  | C30CNM40A03A0        |       |
| 5            | 0  | 5  | C30CNM05A03A0        |       |
|              | 1  | 4  | C30CNM14A03A0        |       |
|              | 2  | 3  | C30CNM23A03A0        |       |
|              | 3  | 2  | C30CNM32A03A0        |       |
|              | 4  | 1  | C30CNM41A03A0        |       |
|              | 5  | 0  | C30CNM50A03A0        |       |
| 6            | 0  | 6  | C30CNM06A03A0        |       |
|              | 1  | 5  | C30CNM15A03A0        |       |
|              | 2  | 4  | C30CNM24A03A0        |       |
|              | 3  | 3  | C30CNM33A03A0        |       |
|              | 4  | 2  | C30CNM42A03A0        |       |
|              | 5  | 1  | C30CNM51A03A0        |       |
|              | 6  | 0  | C30CNM60A03A0        |       |
|              |    |    |                      |       |
| 7            | 0  | 7  | C30CNM07A03A0        |       |
|              | 1  | 6  | C30CNM16A03A0        |       |
|              | 2  | 5  | C30CNM25A03A0        |       |
|              | 3  | 4  | C30CNM34A03A0        |       |
|              | 4  | 3  | C30CNM43A03A0        |       |
|              | 5  | 2  | C30CNM52A03A0        |       |
|              | 6  | 1  | C30CNM61A03A0        |       |
|              | 7  | 0  | C30CNM70A03A0        |       |
| 8            | 0  | 8  | C30CNM08A03A0        |       |
|              | 1  | 7  | C30CNM17A03A0        |       |
|              | 2  | 6  | C30CNM26A03A0        |       |
|              | 3  | 5  | C30CNM35A03A0        |       |
|              | 4  | 4  | C30CNM44A03A0        |       |
|              | 5  | 3  | C30CNM53A03A0        |       |
|              | 6  | 2  | C30CNM62A03A0        |       |
|              | 7  | 1  | C30CNM71A03A0        |       |
| 9            | 0  | 8  | C30CNM08A03A0        |       |
|              | 1  | 7  | C30CNM17A03A0        |       |
|              | 2  | 6  | C30CNM26A03A0        |       |
|              | 3  | 5  | C30CNM35A03A0        |       |
|              | 4  | 4  | C30CNM44A03A0        |       |
|              | 5  | 3  | C30CNM53A03A0        |       |
|              | 6  | 2  | C30CNM62A03A0        |       |
|              | 7  | 1  | C30CNM71A03A0        |       |
| 10           | 0  | 8  | C30CNM08A03A0        |       |
|              | 1  | 7  | C30CNM17A03A0        |       |
|              | 2  | 6  | C30CNM26A03A0        |       |
|              | 3  | 5  | C30CNM35A03A0        |       |
|              | 4  | 4  | C30CNM44A03A0        |       |
|              | 5  | 3  | C30CNM53A03A0        |       |
|              | 6  | 2  | C30CNM62A03A0        |       |
|              | 7  | 1  | C30CNM71A03A0        |       |
| 11           | 0  | 8  | C30CNM08A03A0        |       |
|              | 1  | 7  | C30CNM17A03A0        |       |
|              | 2  | 6  | C30CNM26A03A0        |       |
|              | 3  | 5  | C30CNM35A03A0        |       |
|              | 4  | 4  | C30CNM44A03A0        |       |
|              | 5  | 3  | C30CNM53A03A0        |       |
|              | 6  | 2  | C30CNM62A03A0        |       |
|              | 7  | 1  | C30CNM71A03A0        |       |
| 12           | 0  | 8  | C30CNM08A03A0        |       |
|              | 1  | 7  | C30CNM17A03A0        |       |
|              | 2  | 6  | C30CNM26A03A0        |       |
|              | 3  | 5  | C30CNM35A03A0        |       |
|              | 4  | 4  | C30CNM44A03A0        |       |
|              | 5  | 3  | C30CNM53A03A0        |       |
|              | 6  | 2  | C30CNM62A03A0        |       |
|              | 7  | 1  | C30CNM71A03A0        |       |

| No. of Poles | NO | NC | Catalogue Number ①②③ | Price |
|--------------|----|----|----------------------|-------|
| 11           | 3  | 8  | C30CNM38A03A0        |       |
|              | 4  | 7  | C30CNM47A03A0        |       |
|              | 5  | 6  | C30CNM56A03A0        |       |
|              | 6  | 5  | C30CNM65A03A0        |       |
|              | 7  | 4  | C30CNM74A03A0        |       |
|              | 8  | 3  | C30CNM83A03A0        |       |
|              | 9  | 2  | C30CNM92A03A0        |       |
|              | 10 | 1  | C30CNM101A03A0       |       |
|              | 11 | 0  | C30CNM110A03A0       |       |
|              |    |    |                      |       |
|              |    |    |                      |       |
| 12           | 4  | 8  | C30CNM48A03A0        |       |
|              | 6  | 6  | C30CNM66A03A0        |       |
|              | 8  | 4  | C30CNM84A03A0        |       |
|              | 10 | 2  | C30CNM102A03A0       |       |
|              | 12 | 0  | C30CNM120A03A0       |       |
|              |    |    |                      |       |

- ① To change the base coil voltage, replace the content of Position 9 with the appropriate Code Suffix from **Table E-33**.
- ② To change auxiliary contact options, replace the content of Position 10 with the appropriate Code Suffix from **Table E-34**.
- ③ To change the control module voltage, replace the content of Positions 12-13 with the appropriate Code Suffix from **Table E-35**.

Table E-33. Base Coil Voltage (Digit 9)

| Voltage                     | Code Suffix | Adder |
|-----------------------------|-------------|-------|
| 115 – 120V 60 Hz/110V 50 Hz | A           |       |
| 230 – 240V 60 Hz/220V 50 Hz | B           |       |
| 460 – 480V 60 Hz/440V 50 Hz | C           |       |
| 575 – 600V 60 Hz/550V 50 Hz | D           |       |
| 200 – 208V 60 Hz            | E           |       |
| 265 – 277V 60 Hz/240V 50 Hz | H           |       |
| 24V 60 Hz/20V 50 Hz         | T           |       |
| 28V 60 Hz/24V 50 Hz         | V           |       |
| 347V 60 Hz                  | X           |       |

Table E-34. Auxiliary Contact Installed (Digit 10)

| Control Module | Circuit | Code Suffix | Adder |
|----------------|---------|-------------|-------|
| 3-wire         | None    | 0           |       |
|                | 1NC     | C           |       |
|                | 1NO     | F           |       |
|                | 1NO-1NC | G           |       |

Table E-35. Control Module Voltage (Digit 12-13)

| Coil Module   | Code Suffix | Adder |
|---------------|-------------|-------|
| 110 – 120V AC | A0          |       |
| 200 – 277V AC | H0          |       |
| 24V AC        | T0          |       |
| 12 – 24V DC   | T1          |       |