

# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR324X Solid State Overload Relays

For Panel Mounting  
3-Pole, 600 VAC

#### Product Number Selection Instructions

1. Replace \* in product number with appropriate digit from Full Load Current Selection Table below.

#### Solid State Overload Relays

NEMA Size	Continuous Ampere Rating	Mounting Position	Product Number
1	27	Panel Mount	CR324CX*P
2	45	Panel Mount	CR324DX*P
3, 4	90,135	Panel Mount	CR324FX*P
1	27	for MRO & Replacement	CR324CX*S
2	45	for MRO & Replacement	CR324DX*S
3, 4	90,135	for MRO & Replacement	CR324FX*S <sup>1,2</sup>
5	270	for MRO & Replacement	CR324GX*S <sup>3</sup>
6	540	for MRO & Replacement	CR324HX*K <sup>4</sup>
6	540	for MRO & Replacement	CR324HX*S <sup>5</sup>

<sup>1</sup>If Product No. digit "K" is selected from Full Load Current Selection Table, deduct **\$55.00** from list price.

<sup>2</sup>Reset on CR324FX\*S overloads is approximately 1" longer than on equivalent bimetal overloads. For GE 300-Line enclosures, perform the actions noted below:

Enclosure Reset Extension Type	Adjustment Required
Threaded Rod (standard)	Cut threaded shaft 1" and adjust for 1/8" gap.
"U" Style, 2 1/8" long	Replace extension with product number 55-512811G005.
"U" Style, 1 1/2" long	Replace extension with product number 55-512811G002.

<sup>3</sup>CR324GX\*S may be used as replacement for bimetal overload on size 5 starters. Use existing CTs.

<sup>4</sup>CR324HX\*K kit must be used as solid-state replacement for bimetal overloads on size 6, since CT ratio changes, CTs included.

<sup>5</sup>CR324HX\*S may be used as a replacement for existing solid-state overload on size 6. Use existing CTs.

#### Solid State Overload Relay Options

Item	NEMA Size	Voltage	Product Number
Remote Reset	1-6	120 VAC	CR324XRRM02
Panel Mount Adapter	1	N/A	CR324CXPMA
	2	N/A	CR324DXPMA

#### Full Load Current Selection Table

For continuous rated motors, with a service factor of 1.15 to 1.25, select the heater with maximum motor Amperes equal to or immediately greater than the motor full-load current (provides a maximum of 125 percent protection). For continuous rated motors with no service factor, multiply the full-load current of the motor by 0.90 and use this value to select the heater.

Overload Range for Solid State Starters	NEMA Size	Fuse Max.	Breaker Max.	Insert Digit in Product Number
0.4-0.85	00-1	3	15	C
0.8-1.7	00-1	6	15	D
1.6-3.4	00-1	12	15	E
3.2-6.8	00-1	25	25	F
6.5-13.5	00-1	50	50	G
13-27	00-1	100	100	H
6.5-13.5	2	50	50	G
13-27	2	100	100	H
25-50	2	200	200	J
17-35	3 & 4	125	125	K
35-70	3 & 4	250	250	L
65-135	3 & 4	500	400	M
35-70	5			N
65-135	5	500	400	P
130-270	5	600	800	Q
130-270	6	1200	800	S
260-540	6	1200	800	T