

NEMA Full Voltage Power Devices NEMA Rated Full Voltage Starters - Manual

Section 1

CR1062

Single-Phase and Polyphase

10 HP Maximum

600 Volts

25 to 60 Hertz

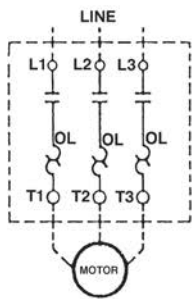
Application

Designed for controlling small ac motors. Standard CR1062R and S starter forms provide overload protection but cannot be used where undervoltage protection is required or for remote or automatic operation.

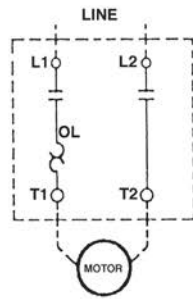
Features

- Front-connected; clamp-type terminals for easy wiring.
- Trip-free overload mechanism; can't be held closed.
- Knockout in enclosure cover permits installation of indicating light kit.

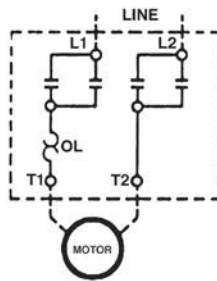
Schematic Diagrams



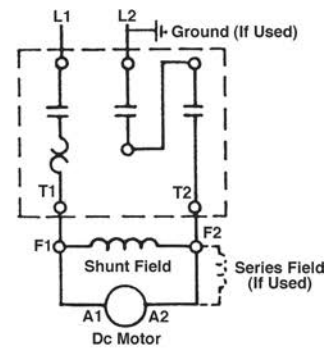
Typical 3-Phase
Connections CR1062R & S



Typical Single-Phase
Connections CR1062R & S



Typical Single-Phase
Connections CR1062T



Typical Connections
for DC Starters

Horsepower Ratings

		Maximum Horsepower Ratings					
		Coil Motor Voltage and Frequency					
		60 Hertz			50 Hertz		
Phase	NEMA Size	115 V	200-208 V	230-240 V	277 V	460-600 V	380 V
Single	M-0	1	—	2	2	—	—
	M-1	2	—	3	2	—	—
	M-1P	3	—	5	2	—	—
Three	M-0	—	3	3	—	5	5
	M-1	—	7-1/2	7-1/2	—	10	10

Reference Publications

Instructions

GEH-4737



Product Number Selection Instructions: See page 1-168

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1 Select NEMA Size and Number of Poles

NEMA Size	Number of Poles	Product No. Digits
M-0	Single-Phase DC (in series)	R1
	Single-Phase (AC)	R2
	3-Pole Three-Phase	R3
M-1	Single-Phase DC (in series)	S1
	Single-Phase (AC)	S2
	3-Pole Three-Phase	S3
M-1P	Single-Phase DC (in series)	—
	Single-Phase AC in Parallel	T2
	3-Pole Three-Phase	—

2 Select Protection

Protection	Single-Phase	Three-Phase
	Product No. Digit	Product No. Digit
Standard Overload	A	A
Omit Overload	B	B

Order heaters as a separate item from Heater Selection Tables, page 1-172.

3 Select Auxiliary Contacts

Auxiliary Contacts	Size 0	Size 1	Size 1-P
	Product No. Digit	Product No. Digit	Product No. Digit
None	A	A	A
1 NO	B	B	B
2 NO	C	C	—

Cannot have 2 auxiliary contacts with size 1-P device.

4 Select Type of Operator and Enclosure Type

Type of Operator	Enclosure Class	Product No. Digit
Push Button	Open	P1
	Type 1	P2
	Type 3/12/13	—
	Type 4/4X	—
	Flush Mounted	P5
Toggle Lever	Open	T1
	Type 1	T2
	Type 3/12/13	T3
	Type 4/4X	T4
	Flush Mounted	T5

No hubs installed on Types 1, 3, 12, and 13 enclosures. 3/4-inch hubs standard on Type 4X enclosures.

5 Select Indicating Light Option

	Product No. Digit	
	Type 1 Enclosure	Type 3/12/13 and 4/4X Enclosures
No Indicating Light	00	00
120 V/60 Hz 100 V/50 Hz	02	02
240 V/60 Hz 220 V/50 Hz	03	03
480 V/60 Hz 440 V/50 Hz	04	04
600 V/60 Hz	05	05

6 Select Indicating Light Color

Indicating Light Color	Product No. Digit
No Indicating Light	∅
Red Light	R
Green Light	G

Enclosure Kits

Description	Product Number
Type 1 Enclosure for Toggle-Operated 2- to 4-Pole Starters	CR1062X9
Type 1 Enclosure for Push Button-Operated 2- to 4-Pole Starters	CR1062X10
Type 3/12/13 Enclosure (no hubs) Toggle Devices Only	CR1062X28
Type 4X Enclosure (with hubs) Toggle Devices Only	CR1062X23
Type 1 Flush-Mounted Enclosure for Toggle-Operated Starters	CR1062X30
Type 1 Flush-Mounted Enclosure for Push Button-Operated Starters	CR1062X31

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C	R	1	0	6	2						



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Section 1



Open Type

Open

NEMA Size	Motor Type	Operator Type	Product Number	GO-10G3
M-0	Single Phase	Push Button	CR1062R2AAP1000	
M-1	Single Phase	Push Button	CR1062S2AAP1000	
M-1P	Single Phase	Push Button	CR1062T2AAP1000	
M-0	Three Phase	Push Button	CR1062R3AAP1000	
M-1	Three Phase	Push Button	CR1062S3AAP1000	
M-0	Single Phase	Toggle	CR1062R2AAT1000	
M-1	Single Phase	Toggle	CR1062S2AAT1000	
M-1P	Single Phase	Toggle	CR1062T2AAT1000	
M-0	Three Phase	Toggle	CR1062R3AAT1000	
M-1	Three Phase	Toggle	CR1062S3AAT1000	



Type 1 Surface Mounting

Enclosed NEMA Type 1

NEMA Size	Motor Type	Operator Type	Product Number	GO-10G3
M-0	Single Phase	Push Button	CR1062R2AAP2000	
M-1	Single Phase	Push Button	CR1062S2AAP2000	
M-1P	Single Phase	Push Button	CR1062T2AAP2000	
M-0	Three Phase	Push Button	CR1062R3AAP2000	
M-1	Three Phase	Push Button	CR1062S3AAP2000	
M-0	Single Phase	Toggle	CR1062R2AAT2000	
M-1	Single Phase	Toggle	CR1062S2AAT2000	
M-1P	Single Phase	Toggle	CR1062T2AAT2000	
M-0	Three Phase	Toggle	CR1062R3AAT2000	
M-1	Three Phase	Toggle	CR1062S3AAT2000	



Type 1 Flush Mounting

Enclosed NEMA Type 3R/12/13

NEMA Size	Motor Type	Operator Type	Product Number	GO-10G3
M-0	Single Phase	Toggle	CR1062R2AAT3000	
M-1	Single Phase	Toggle	CR1062S2AAT3000	
M-1P	Single Phase	Toggle	CR1062T2AAT3000	
M-0	Three Phase	Toggle	CR1062R3AAT3000	
M-1	Three Phase	Toggle	CR1062S3AAT3000	

Enclosed NEMA Type 4/4X

NEMA Size	Motor Type	Operator Type	Product Number	GO-10G3
M-0	Single Phase	Toggle	CR1062R2AAT4000	
M-1	Single Phase	Toggle	CR1062S2AAT4000	
M-1P	Single Phase	Toggle	CR1062T2AAT4000	
M-0	Three Phase	Toggle	CR1062R3AAT4000	
M-1	Three Phase	Toggle	CR1062S3AAT4000	



Type 4-4X

