

2.1

NEMA Contactors and Starters

Freedom Series

Product Selection

2

When Ordering Specify

- Catalog number
- Heater pack number (see selection table, **Pages V5-T2-40 to V5-T2-42**) or full load current

BN16DM0AB



Type BN16 NEMA—Manual or Automatic Reset Overload Relay

NEMA Size	Maximum Horsepower Motor Voltage	Single-Phase		Magnet Coil Voltage (60 Hz)	Open Type Two-Pole Catalog Number
00	115	1/3		120 ¹	BN16AN0AC
	230	1		240	BN16AN0BC
0	115	1		120 ¹	BN16BN0AC
	230	2		240	BN16BN0BC
1	115	2		120 ¹	BN16DN0AB
	230	3		240	BN16DN0BB
1P	115	3		120 ¹	BN16PN0AB
	230	5		240	BN16PN0BB
2	115	3		120 ¹	BN16GN0AB
	230	7-1/2		240	BN16GN0BB
3	115	7-1/2		120 ¹	BN16KN0A
	230	15		240	BN16KN0B

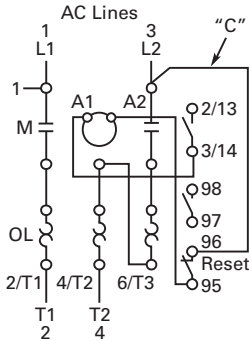
Starter catalog numbers do not include heater packs. Select one carton of three heater packs. Heater pack selection, **Pages V5-T2-40 to V5-T2-42**.

Note

¹ For separate 120V control circuit. For maximum hp at listed motor voltages, use the rating of other starters of same size.

Wiring Diagrams

Single-Phase Applications (Factory Wired)



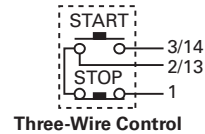
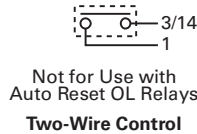
Separate Control

Remove Wire "C" if supplied and connect separate control lines to the Number 1 Terminal on the remote pilot device and to the Number 96 Terminal on the overload relay.

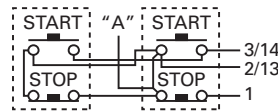
Front View of Panel



Single-Phase Motor



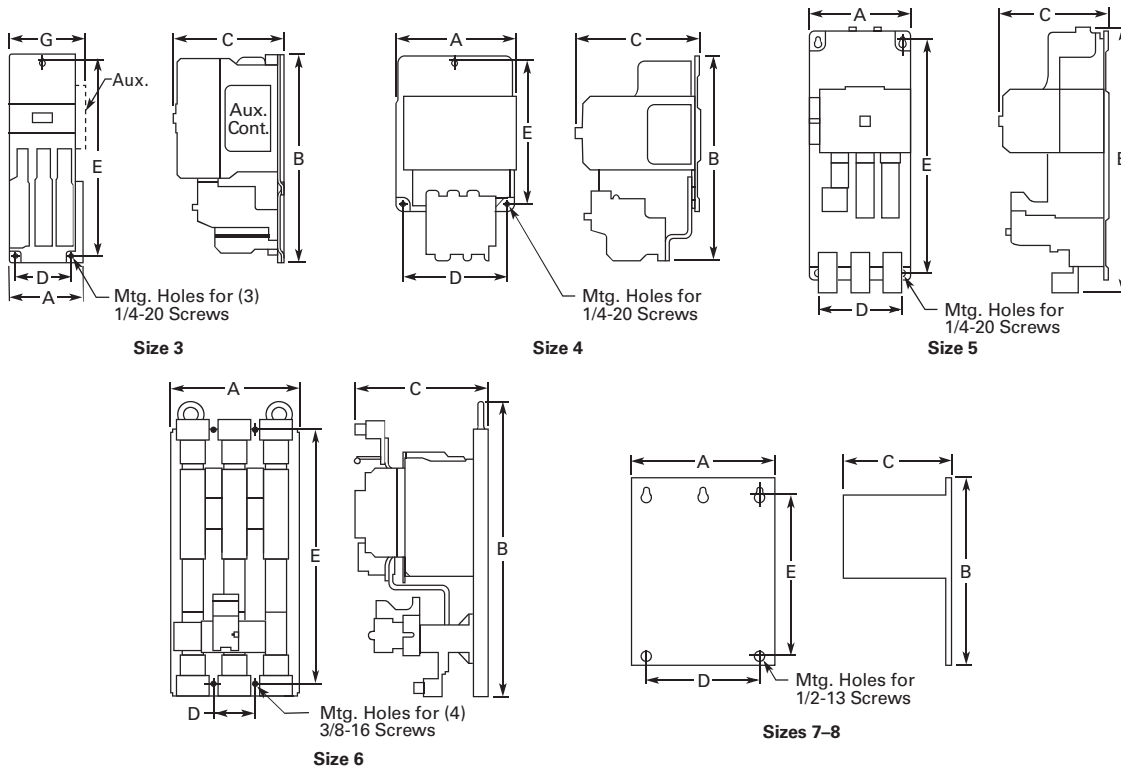
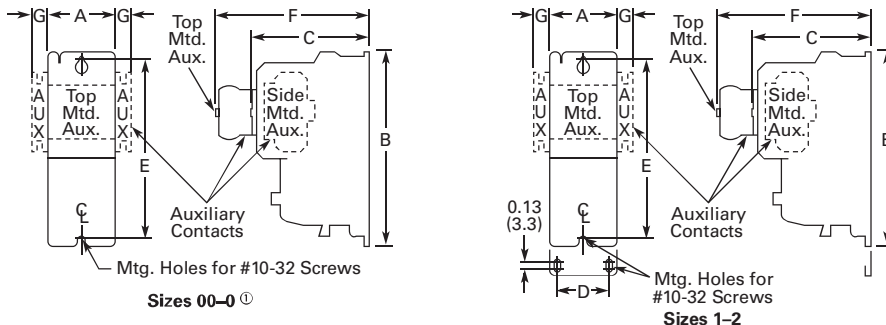
When more than one pushbutton station is used, omit Connector "A" and connect per sketch at right.



Dimensions

Approximate Dimensions in Inches (mm)

Non-Reversing Starters, Bi-Metallic Overload—Open Type



Dimensions and Shipping Weights

NEMA Size	Wide A	High B	Deep C	Mounting D	Mounting E	F	G	Shipping Weight Lbs (kg)
00-0	1.80 (45.7)	6.60 (167.6)	3.52 (89.4)	—	6.07 (154.2)	4.90 (124.5)	0.54 (13.7)	2.2 (1.0)
1-1P	2.56 (65.0)	7.08 (179.8)	4.44 (112.8)	2.00 (50.8)	6.63 (168.4)	5.80 (147.3)	0.54 (13.7)	4.5 (2.0)
2	2.56 (65.0)	8.08 (205.2)	4.44 (112.8)	2.00 (50.8)	7.63 (193.8)	5.80 (147.3)	0.54 (13.7)	4.7 (2.1)
3	4.08 (103.6)	11.35 (288.3)	5.94 (150.9)	3.00 (76.2)	10.81 (274.6)	—	—	11.0 (5.0)
4	7.05 (179.1)	12.06 (306.3)	7.25 (184.2)	6.00 (152.4)	8.50 (215.9)	—	—	23.0 (10.4)
5	7.00 (177.8)	17.77 (451.4)	7.76 (197.1)	6.00 (152.4)	16.00 (406.4)	—	—	36.0 (16.3)
6	9.47 (240.5)	21.69 (550.9)	9.90 (251.5)	3.10 (78.7)	18.00 (457.2)	—	—	75.0 (34.1)
7	15.13 (384.3)	29.13 (739.9)	12.64 (321.1)	13.25 (336.6)	21.25 (539.8)	—	—	120.0 (54.5)
8	15.13 (384.3)	34.50 (876.3)	15.00 (381.0)	13.25 (336.6)	16.75 (425.5)	—	—	210.0 (95.3)

Note

¹ Holding circuit contact for Size 00 occupies 4th power pole position—no increase in width.