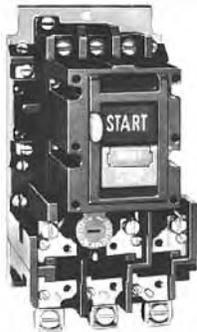


### Contents

<i>Description</i>	<i>Page</i>
<b>Manual Motor Starters</b>	
Product Description . . . . .	38-6
Application Description . . . . .	38-6
Features . . . . .	38-6
Instructional Leaflet . . . . .	38-6
Standards and Certifications . . . . .	38-6
Technical Data . . . . .	38-6
Options . . . . .	38-6
Accessories . . . . .	38-6
Dimensions . . . . .	38-7
Product Selection . . . . .	38-8



*Pushbutton Operated*

### Product Description

The B100 Manual Motor Starters can be used in single-phase applications rated 3 hp at 240V AC or 2 hp at 230V DC. The starter can also be rated for three-phase applications up to 10 hp at 600V AC.

There are two methods of operation for the B100 Manual Starter. It can be ordered with a toggle switch operator or a START/STOP pushbutton operator.

### Application Description

The B100 family of Manual Motor Starters provides manual control, as well as overload protection, to both single-phase and three-phase motors. The starter protects motors up to 38.9 amp single-phase and 26.8 amp three-phase with the appropriate heater selection.

### Features

- Includes three-pole bimetallic overload relay
- Straight-through wiring
- Field mounted auxiliary contacts
- Available in NEMA 1, 4, 7, 9 and 12 enclosures with toggle operation (NEMA 1 enclosure for pushbutton operator)
- Standard with a lockout device to lock motor in the OFF position

### Instructional Leaflet

IL14890

### Standards and Certifications

- UL File No. E19222, Category NLRV
- CSA File No. LR39402-6, Class 3211-05 (Open Starters)
- CSA File No. LR54517-1, Class 3211-05 (Closed Starters)



### Technical Data

**Table 38-5. Specifications**

NEMA Size	Maximum hp for AC Ratings <sup>①</sup>			Maximum hp for DC Ratings	
	120V AC	208 – 240V AC	480 – 600V AC	115V DC	230V DC
<b>2-Pole, Single-Phase</b>					
M-0	1	2	—	1	1-1/2
M-1	2	3	—	1-1/2	2
<b>3-Pole, Three-Phase</b>					
M-0	2	3	5	—	—
M-1	3	7-1/2	10	—	—

<sup>①</sup> Ratings up to 3 hp, 3-phase are suitable for group fusing.

### Options

**Table 38-6. Factory Modifications**

Description	Catalog Number <sup>②</sup> Suffix	Adder U.S. \$
Pushbutton operator (open and NEMA 1 only)	A	
Without lockoff (open only)	X	

<sup>②</sup> Add Suffix letter to starter Catalog Number  
Ex: B100MOCA.

### Accessories

**Table 38-7. Accessories**

Description	Catalog Number	Price U.S. \$
<b>Field Mounting Kits</b>		
1NO elect. auxiliary	B1A	
1NC elect. auxiliary	B1B	
Red pilot light 120/60 (NEMA 1 Enc. Only)	LK-21	
Red pilot light 208-240/6 (NEMA 1 Enc. Only)	LK-22	
Red pilot light 480-600/60 (NEMA 1 Enc. Only)	LK-26	
<b>For Type 4 and 12 Enclosures Only</b>		
Red pilot light 120V	LK-41	
Red pilot light 240V	LK-42	

## Type B100, Single- and Three-Phase Starters

### Product Selection

#### When Ordering Specify

- Catalog Number of Starter with application modifications
- Heater Pack selection — A three-phase starter requires three heaters, and a single-phase starter requires two heaters
- Any required Accessories



Toggle Operated



Type 1 Enclosure

Table 38-8. Product Selection — Toggle and Pushbutton Operated Starters

NEMA Size	Open Type Toggle Handle		Enclosed							
	Catalog Number ③	Price U.S. \$	NEMA 1 General Purpose		NEMA 4 Watertight, Stainless Steel ①		NEMA 7D, 9E, 9F & 9G for Hazardous Locations ②④		NEMA 12 Dust-Tight	
			Catalog Number ③	Price U.S. \$	Catalog Number ③	Price U.S. \$	Catalog Number ③	Price U.S. \$	Catalog Number ③	Price U.S. \$
<b>Type B100 Non-reversing 2-Pole (For Single-Phase Motors and DC)</b>										
M-0	B100M0B		B100S0B		B100W0B		B100U0B		B100J0B	
M-1	B100M1B		B100S1B		B100W1B		B100U1B		B100J1B	
<b>Type B100 Non-reversing 3-Pole (For Polyphase Motors) ④</b>										
M-0	B100M0C		B100S0C		B100W0C		B100U0C		B100J0C	
M-1	B100M1C		B100S1C		B100W1C		B100U1C		B100J1C	

① One 1-inch chrome hub supplied on each end.

② NEMA 7D = NEMA 7, Class I, Group D. NEMA 9E, 9F and 9G = NEMA 9, Class II, Groups E, F and G.

③ Starter does not include heaters. Select Catalog Numbers of heaters from **Table 38-9**.

④ Tapped for 1-inch conduit on each end.