



Line Starter



Combination Starter

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

 Classified - File E83969

 Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS



Applications

The PRISM® B7 Series of across-the-line starter and combination motor control centers utilize SSNR single-speed, non-reversing NEMA type starters.

Prism enclosures universal design accommodates, as standard, the magnetic starters made by the following manufacturers:

- Allen-Bradley — 509 Series
- Cutler-Hammer — A10 Series
- Cutler-Hammer — AN16 Series
- Furnas — Class 14 Series
- GE — CR306 Series
- Square D — 8536 Series
- Telemecanique — A20 Series
- Westinghouse — A200 Series

In addition, the SSNR combination starters will house a motor circuit protector or circuit breakers manufactured by:

- Square D — FA, FH, FC Frames
- Cutler-Hammer — HMC, EHD, FDB, FD, HFD, FDC Frames
- General Electric — TEB-TEC-TED-THED-Frame

There is sufficient space in the combination starter enclosure for a control transformer, if required.

Standard Materials

- Enclosure – Copper-free aluminum
- O-ring Gasket – BUNA-N nitrile
- Cover Bolts – 316 grade stainless steel
- CB/MCP Handle – Copper-free aluminum
- Reset Operator – Thermoplastic polyester button molded onto stainless steel shaft. Aluminum shroud.
- Mounting Pan – Sheet aluminum
- Hinge – Aluminum with stainless steel pin
- Reset Shroud – Black anodized

Features

- Nema 4, 4X rated – providing protection from hose directed water and corrosion
- Universal mounting pan, pre-drilled to facilitate easy field installation of starters. Provision for grounding supplied as standard.
- More wiring room – meets latest NEC wire bend requirements
- Quick release, captivated cover bolts of 316 grade stainless steel
- Flange sealing gasket located to the inside of cover bolt – preventing water seepage into enclosure through bolt holes
- Hinged cover provided as standard for an extra measure of safety and convenience
- Breaker (MCP) handle can be pad-locked in “ON” or “OFF” position

- Provisions provided for drain and breather plus conduit openings for power and control
- Reset button provided as standard
- Two control operator openings provided plugged as standard. Additional openings can be factory or field drilled.
- Copper-free (less than 4/10 of 1% copper) enclosure
- Ductile mounting lugs

Catalog Logic

See page C58 for enclosures with controls.

C





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FEATURES-SPECIFICATIONS

Magnetic Line Starters - 3 Pole, 3 Phase, Single Speed Non Reversing 600 VAC Max, 60Hz

Square D or Cutler-Hammer motor starters available as standard. Heaters not included. See page C59 to order.

B7 MAGNETIC LINE STARTERS						
NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS ^③	MAX. HP	CATALOG NUMBER		ENCLOSURE ONLY NO INTERIORS
				CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536	
0	SEP. CONTROL	120	—	B7010HB	B7010SB	B7011
0	230	240	3	B7010HG	B7010SG	
0	460	480	5	B7010HK	B7010SK	
0	575	600	5	B7010HM	B7010SM	
1	SEP. CONTROL	120	—	B7011HB	B7011SB	B7011
1	230	240	7-1/2	B7011HG	B7011SG	
1	460	480	10	B7011HK	B7011SK	
1	575	600	10	B7011HM	B7011SM	
2	SEP. CONTROL	120	—	B7012HB	B7012SB	B7012
2	230	240	15	B7012HG	B7012SG	
2	460	480	25	B7012HK	B7012SK	
2	575	600	25	B7012HM	B7012SM	
3	SEP. CONTROL	120	—	B7013HB	B7013SB	B7013
3	230	240	30	B7013HG	B7013SG	
3	460	480	50	B7013HK	B7013SK	
3	575	600	50	B7013HM	B7013SM	
4	SEP. CONTROL	120	—	B7014HB	B7014SB	B7014
4	230	240	50	B7014HG	B7014SG	
4	460	480	100	B7014HK	B7014SK	
4	575	600	100	B7014HM	B7014SM	

① See catalog logic page C58 for other standard coil voltages.

② Control transformers for use on Combination Starters Only. Will not fit into B701 Series of Non-Combination Starters.

③ See catalog page C58 for modifications and accessories to enclosure.



Combination Starters
3-Pole, 3-Phase,
Single Speed Non
Reversing 600 VAC
Max, 60Hz

Square D or Cutler-Hammer motor starters and motor circuit protector available. Heaters not included. See page C59 to order. Enclosure sized to accommodate control circuit transformer.

B7 COMBINATION MAGNETIC LINE STARTERS							
NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS ^①	MAX. HP	DISCONNECT TRIP AMPS	CATALOG NUMBER		ENCLOSURE ONLY NO INTERIORS
					CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536	
0	SEP. CONTROL	120	—	3	B7020HBCA	B7020SBAA	B7021
0	SEP. CONTROL	120	—	7	B7020HBCB	B7020SBAB	
0	SEP. CONTROL	120	—	15	B7020HBCC	B7020SBAC	
0	230	240	1	7	B7020HGCB	B7020SGAB	
0	230	240	3	15	B7020HGCC	B7020SGAC	
0	460	480	1	3	B7020HKCA	B7020SKAA	
0	460	480	2	7	B7020HKCB	B7020SKAB	
0	460	480	5	15	B7020HKCC	B7020SKAC	
0	575	600	1	3	B7020HMCA	B7020SMAA	
0	575	600	2	7	B7020HMCB	B7020SMAB	
0	575	600	5	15	B7020HMCC	B7020SMAC	
1	SEP. CONTROL	120	—	15	B7021HBCC	B7021SBAC	B7021
1	SEP. CONTROL	120	—	30	B7021HBCF	B7021SBAF	
1	230	240	7-1/2	30	B7021HGCF	B7021SGAF	
1	460	480	10	30	B7021HKCF	B7021SKAF	
1	575	600	10	30	B7021HMCF	B7021SMAF	
2	SEP. CONTROL	120	—	50	B7022HBCK	B7022SBAK	B7022
2	SEP. CONTROL	120	—	70	B7022HBCM	B7022SBAM	
2	230	240	15	50	B7022HGCK	B7022SGAK	
2	230	240	15	70	B7022HGCM	B7022SGAM	
2	460	480	25	50	B7022HKCK	B7022SKAK	
2	575	600	25	50	B7022HMCK	B7022SMAK	
3	SEP. CONTROL	120	—	100	B7023HBCQ	B7023SBAQ	B7023
3	230	240	30	100	B7023HGCK	B7023SGAQ	
3	460	480	50	100	B7023HKCQ	B7023SKAQ	
3	575	600	50	100	B7023HMCQ	B7023SMAQ	
4	SEP. CONTROL	120	—	150	B7024HBCT	B7024SBBT	B7024
4	230	240	50	150	B7024HGCT	B7024SGBT	
4	460	480	100	150	B7024HKCT	B7024SKBT	
4	575	600	100	150	B7024HMCT	B7024SMBT	
5	SEP. CONTROL	120	—	250	B7025CBCMCPJ250	B7025SBSMAGK250	See chart below
5	SEP. CONTROL	120	—	400	B7025CBCMCPK400	B7025SBSMAGL400	
5	230	240	75	250	B7025CGCMCPJ250	B7025SGSMAGK250	
5	230	240	100	400	B7025CGCMCPK400	B7025SGSMAGL400	
5	460	480	150	250	B7025CKCMCPJ250	B7025SKSMAGK250	
5	460	480	200	400	B7025CKCMCPK400	B7025SKSMAGL400	
5	575	600	150	250	B7025CMCMCPJ250	B7025SMSMAGK250	
5	575	600	200	400	B7025CMCMCPK400	B7025SMSMAGL400	

① See catalog logic page C58 for other standard coil voltages.

② Combination Starter enclosures provide sufficient space for factory of field mounting a control transformer.

③ See catalog page C58 for modifications and accessories to enclosure.

SIZE 5 COMBINATION MOTOR STARTER ENCLOSURE ONLY					
STARTER MANUFACTURER	STARTER TYPE	CIRCUIT BREAKER FRAME			ENCLOSURE CAT. NUMBER
		C-H	GE	SQ-D	
Allen Bradley	Series 509	J	F-225	K	B7025A2
Allen Bradley	Series 509	K	J-600	L	B7025A4
Cutler Hammer	Freedom-AN16	J	F-225	K	B7025C2
Cutler Hammer	Freedom-AN16	K	J-600	L	B7025C4
General Electric	Series 306	J	F-225	K	B7025G2
General Electric	Series 306	K	J-600	L	B7025G4
Square D	Series 8536	J	F-225	K	B7025S2
Square D	Series 8536	K	J-600	L	B7025S4
Westinghouse	Advantage	J	F-225	K	B7025W2
Westinghouse	Advantage	K	J-600	L	B7025W4