

NEMA Full Voltage Power Devices

NEMA Rated Full Voltage Starters - Magnetic

Section 1

CR309 Magnetic Starters

Two-Speed, One-Winding (Consequent Pole), 5-3 pole

Non-combination, Open, NEMA Type 1, 3R, 12, 4/4X

NEMA Sizes 0-5 With Thermal Overload Relay

600 Volts Maximum 50/60 Hertz

Three-Phase

List Price includes a holding interlock, mechanical and cross-electrical interlock, pressure terminals for the line and load connections, plus a 3-leg block type overload relay (manual reset) for each speed. All enclosures include external reset. One NO isolated contact on each overload relay is available as an option at **\$48.00, GO-10G** (for both). To order, change suffix AEA to LEA for Product Numbers listed in table. Six heaters should be ordered as separate items. See pages 1-153 to 1-159 for selection. **List price \$9.00 each, GO-10H.**

Starters are wired for constant or variable torque motor application. Reconnection of control wiring may be required for constant horsepower application. Motor full-load current should not exceed continuous ampere rating of starter. Refer to Coil Table, page 1-6, for other available coils including 50 Hertz.

CR309, Three-Phase One-Winding Magnetic Starters

Continuous NEMA Ampere Size Rating ¹ Voltage (60 Hz) Horsepower				Open Type		NEMA Type 1		NEMA Type 3R		NEMA Type 12		NEMA Type 4/4X	
				Product Number CR309	List Price GO-10G	Product Number CR309	List Price GO-10G	Product Number CR309	List Price GO-10G	Product Number CR309	List Price GO-10G	Product Number CR309	List Price GO-10G
0	18	Separate Control—115-120 V		R002AEA	\$900.00	R102AEA	\$924.00	R602AEA	\$1110.00	R202AEA	\$1110.00	R402AEA	\$1500.00
0	18	200-208	3	R023AEA	\$900.00	R123AEA	\$924.00	R623AEA	\$1110.00	R223AEA	\$1110.00	R423AEA	\$1500.00
0	18	230-240	3	R003AEA	\$900.00	R103AEA	\$924.00	R603AEA	\$1110.00	R203AEA	\$1110.00	R403AEA	\$1500.00
0	18	460-480	5	R004AEA	\$900.00	R104AEA	\$924.00	R604AEA	\$1110.00	R204AEA	\$1110.00	R404AEA	\$1500.00
0	18	575-600	5	R005AEA	\$900.00	R105AEA	\$924.00	R605AEA	\$1110.00	R205AEA	\$1110.00	R405AEA	\$1500.00
1	27	Separate Control—115-120 V		S002AEA	\$960.00	S102AEA	\$996.00	S602AEA	\$1182.00	S202AEA	\$1182.00	S402AEA	\$1560.00
1	27	200-208		S023AEA	\$960.00	S123AEA	\$996.00	S623AEA	\$1182.00	S223AEA	\$1182.00	S423AEA	\$1560.00
1	27	230-240	7 1/2	S003AEA	\$960.00	S103AEA	\$996.00	S603AEA	\$1182.00	S203AEA	\$1182.00	S403AEA	\$1560.00
1	27	460-480	10	S004AEA	\$960.00	S104AEA	\$996.00	S604AEA	\$1182.00	S204AEA	\$1182.00	S404AEA	\$1560.00
1	27	575-600	10	S005AEA	\$960.00	S105AEA	\$996.00	S605AEA	\$1182.00	S205AEA	\$1182.00	S405AEA	\$1560.00
2	45	Separate Control—115-120 V		T002AEA	\$1704.00	T102AEA	\$1812.00	T602AEA	\$2076.00	T202AEA	\$2076.00	T402AEA	\$2508.00
2	45	200-208	10	T023AEA	\$1704.00	T123AEA	\$1812.00	T623AEA	\$2076.00	T223AEA	\$2076.00	T423AEA	\$2508.00
2	45	230-240	15	T003AEA	\$1704.00	T103AEA	\$1812.00	T603AEA	\$2076.00	T203AEA	\$2076.00	T403AEA	\$2508.00
2	45	460-480	25	T004AEA	\$1704.00	T104AEA	\$1812.00	T604AEA	\$2076.00	T204AEA	\$2076.00	T404AEA	\$2508.00
2	45	575-600	25	T005AEA	\$1704.00	T105AEA	\$1812.00	T605AEA	\$2076.00	T205AEA	\$2076.00	T405AEA	\$2508.00
3	90	Separate Control—115-120 V		U002AEA	\$2568.00	U102AEA	\$2736.00	U602AEA	\$3336.00	U202AEA	\$3336.00	U402AEA	\$3768.00
3	90	200-208	25	U023AEA	\$2568.00	U123AEA	\$2736.00	U623AEA	\$3336.00	U223AEA	\$3336.00	U423AEA	\$3768.00
3	90	230-240	30	U003AEA	\$2568.00	U103AEA	\$2736.00	U603AEA	\$3336.00	U203AEA	\$3336.00	U403AEA	\$3768.00
3	90	460-480	50	U004AEA	\$2568.00	U104AEA	\$2736.00	U604AEA	\$3336.00	U204AEA	\$3336.00	U404AEA	\$3768.00
3	90	575-600	50	U005AEA	\$2568.00	U105AEA	\$2736.00	U605AEA	\$3336.00	U205AEA	\$3336.00	U405AEA	\$3768.00
4	135	Separate Control—115-120 V		W002AEA	\$6648.00	W102AEA	\$7308.00	W602AEA	\$8496.00	W202AEA	\$8496.00	W402AEA	\$9420.00
4	135	200-208	40	W023AEA	\$6648.00	W123AEA	\$7308.00	W623AEA	\$8496.00	W223AEA	\$8496.00	W423AEA	\$9420.00
4	135	230-240	50	W003AEA	\$6648.00	W103AEA	\$7308.00	W603AEA	\$8496.00	W203AEA	\$8496.00	W403AEA	\$9420.00
4	135	460-480	100	W004AEA	\$6648.00	W104AEA	\$7308.00	W604AEA	\$8496.00	W204AEA	\$8496.00	W404AEA	\$9420.00
4	135	575-600	100	W005AEA	\$6648.00	W105AEA	\$7308.00	W605AEA	\$8496.00	W205AEA	\$8496.00	W405AEA	\$9420.00
5	270	Separate Control—115-120 V		Z002AEA	\$13140.00	Z102AEA	\$14442.00	Z602AEA	\$19380.00	Z202AEA	\$19380.00	Z402AEA	\$19380.00
5	270	200-208	75	Z023AEA	\$13140.00	Z123AEA	\$14442.00	Z623AEA	\$19380.00	Z223AEA	\$19380.00	Z423AEA	\$19380.00
5	270	230-240	100	Z003AEA	\$13140.00	Z103AEA	\$14442.00	Z603AEA	\$19380.00	Z203AEA	\$19380.00	Z403AEA	\$19380.00
5	270	460-480	200	Z004AEA	\$13140.00	Z104AEA	\$14442.00	Z604AEA	\$19380.00	Z204AEA	\$19380.00	Z404AEA	\$19380.00
5	270	575-600	200	Z005AEA	\$13140.00	Z105AEA	\$14442.00	Z605AEA	\$19380.00	Z205AEA	\$19380.00	Z405AEA	\$19380.00

¹Motor full load current should not exceed continuous ampere rating of the starter.



Other Coil Voltages: See page 1-6
Factory Installed Modifications: See pages 1-124 to 1-131

Field Installed Modifications: See pages 1-132 to 1-138
Extra Auxiliary Contacts: See pages 1-132 to 1-134
Heater Selection Tables: See pages 1-153 to 1-159