

Bulletin 509 Non-Reversing Starter

Catalog Number Explanation

Examples that are given in this section are not intended to be used for product selection. Not all combinations produce a valid catalog number. For accurate catalog number configuration, use the ProposalWorks™ application which is available from rok.auto/systemtools.

Bulletin 509 non-reversing starters can be ordered as modular kits or individual components, as follows:

- Modular kit (sizes 0...4) (single catalog number, pre-stocked modular components shipped in one carton to reduce lead time)
- Factory assembled (sizes 00 and 5) (single catalog number)

509 - B 0 D - A2E - T7
a b c d e f

a	
Bulletin Number	
Code	Description
509	Non-reversing starter
5090C	Non-reversing starter with DC coil voltage selected

b	
NEMA Size	
Code	Description
T	00
A	0
B	1
C	2
D	3
E	4
F	5

c	
Enclosure Type	
Code	Description
0	No enclosure

d		
Nominal Coil Voltage		
Code	Voltage	Frequency
A	220V 240V	50 Hz 60 Hz
B	440V 480V	50 Hz 60 Hz
C	550V 600V	50 Hz 60 Hz
D	110V 120V	50 Hz 60 Hz
F	277V	60 Hz
H	208V	60 Hz
I	415V	50 Hz
J	24V	50/60 Hz
N	380V	50 Hz
VG ⁽¹⁾	125...250V DC	—
VL ⁽¹⁾	24V DC	—

e		
Eutectic Overload Relay		
Code	Description	
blank	Eutectic alloy ⁽³⁾	
E100 Solid-state Overload Relay		
Code	NEMA Size	Full Load Current Adjustment Range [A]
3-Phase		
A2A	00	0.1...0.5
A2C	00, 0, 1	0.2...1.0
A2E	00, 0, 1	1.0...5.0
A2F	00, 0, 1	3.2...16
A2G	0, 1, 2	5.4...27
A2J	1, 2	11...55
A2L	3	20...100
A2M	4	30...150
A2N	5	60...300

f	
Options	
Code	Description
9	One N.O. auxiliary contact for use on Eutectic overload relay
9A	One N.C. auxiliary contact for use on Eutectic overload relay
17	Surge suppressor for 120 or 240V AC coil
90 ⁽²⁾	One N.O. auxiliary contact for use on starter
91 ⁽²⁾	One N.C. auxiliary contact for use on starter

(1) DC coil voltages are only available for NEMA sizes 0...3. When ordering a DC coil voltage, add "DC" to the catalog number.
Example: 5090C-B0VL-A2E.

(2) Up to six combinations of auxiliary contacts can be selected. For example, Code 90011 indicates two N.O. contacts and two N.C. contacts.

(3) Starters with eutectic alloy overload relays require three heater elements. See Heater Elements Specifications Technical Data, publication 582-T0010, for heater element selection.