

IEC Non-Reversing Starters

Product Overview/Product Selection



Cat. No. 109-C09ABA1F-1-4R-6P
IP42 (Type 1)
Metal Enclosure with Lift-off Cover



Molded Plastic Enclosures

Bulletin 109 IEC Non-Reversing Starters

- Impact-resistant molded enclosures (9...43 A)
IP66 (Type 4/4X/12)
- Selection of metal enclosures (9...85 A)
IP42 (Type 1)
IP66 (Type 3/4/12)
- Bimetallic Class 10 overload relays
- Solid-state overload relays
- Compact design
- Meets international standards

Bulletin 109 enclosed starters are designed using Bulletin 100 contactors (9...85 A) and Bulletin 193 bimetallic (Class 10) or solid-state overload relays in a metal or molded plastic enclosure.

Your order must include: Cat. No. of the starter selected, coil voltage code, overload relay suffix code, and, if required, factory-installed modifications suffix code and/or cat. no. of any accessories.

Table of Contents

Product Selection..... this page
Accessories..... 2-391
Modifications 2-393
Approximate
Dimensions..... 2-395

Standards Compliance

EN/IEC 60947-4-1
VDE 0660
CSA C22.2 No. 14
UL 508

Certifications

cULus Listed (File E3125,
Guide NLDX, NLDX7)

Product Selection — AC-Operated Starters

Enclosed Type — Molded Plastic

Ratings (AC3, AC4)									With START (Green) and STOP (Raised Red) Push Buttons	With RESET (Blue) Push Button
Max I _e [A]	kW	Hp								
	3-Phase	1-Phase		3-Phase						
	380V/415V	115V	230V	200V	230V	460V	575V	575V	Cat. No.	Cat. No.
IP66 (EN/IEC Only) ABS V-0 Molded Plastic Enclosure (Cat. No. 198E-A0S4)										
9	4	1/2	1-1/2	2	2	5	7-1/2	1.0...5.0	109-C09V0E1C-1	109-C09V0E1C-7
9	4	1/2	1-1/2	2	2	5	7-1/2	3.2...16	109-C09V0E1D-1	109-C09V0E1D-7
12	5-1/2	1/2	2	3	3	7-1/2	10	3.2...16	109-C12V0E1D-1	109-C12V0E1D-7
16	7-1/2	1	3	5	5	10	15	3.2...16	109-C16V0E1D-1	109-C16V0E1D-7
23	11	2	3	5	7-1/2	15	15	5.4...27	109-C23V0E1E-1	109-C23V0E1E-7
IP66 (Type 4, 4X, 12K) Watertight, Dusttight Corrosion-Resistant Small Molded Plastic Enclosure (Cat. No. 198E-C0S4)										
9	4	1/2	1-1/2	2	2	5	7-1/2	1.0...5.0	109-C09K0E1C-1	109-C09K0E1C-7
9	4	1/2	1-1/2	2	2	5	7-1/2	3.2...16	109-C09K0E1D-1	109-C09K0E1D-7
12	5-1/2	1/2	2	3	3	7-1/2	10	3.2...16	109-C12K0E1D-1	109-C12K0E1D-7
16	7-1/2	1	3	5	5	10	15	3.2...16	109-C16K0E1D-1	109-C16K0E1D-7
23	11	2	3	5	7-1/2	15	15	5.4...27	109-C23K0E1E-1	109-C23K0E1E-7
									With START/STOP Multifunction Push Button (2 Functions) and Reset	
IP66 (Type 4, 4X, 12K) Watertight, Dusttight Corrosion-Resistant Large Molded Plastic Enclosure (Cat. No. 198E-C2S4)										
9	4	1/2	1-1/2	2	2	5	7-1/2	1.0...5.0	109-C09L0E1C-1M-7	
9	4	1/2	1-1/2	2	2	5	7-1/2	3.2...16	109-C09L0E1D-1M-7	
12	5-1/2	1/2	2	3	3	7-1/2	10	3.2...16	109-C12L0E1D-1M-7	
16	7-1/2	1	3	5	5	10	15	3.2...16	109-C16L0E1D-1M-7	
23	11	2	3	5	7-1/2	15	15	5.4...27	109-C23L0E1E-1M-7	
30	15	2	5	7-1/2	10	20	25	9.0...45	109-C30L0E1F-1M-7	
37	18-1/2	3	5	10	10	25	30	9.0...45	109-C37L0E1F-1M-7	
43	22	3	7-1/2	10	15	30	30	9.0...45	109-C43L0E1F-1M-7	

⊗ Coil Voltage Code

The Cat. No. as listed is incomplete. Select a Coil Voltage Code from the table below to complete the Cat. No. Example:

Cat. No. 109-C12K0E1D-1M-7 becomes 105-C12KLDE1D-1M-7.

[V]							
Hz	24	110	120	230	400	440	480
50 Hz	—	D	—	—	—	B	—
60 Hz	—	—	D	—	—	—	B
50/60 Hz	KJ	—	—	KF	KN	—	—