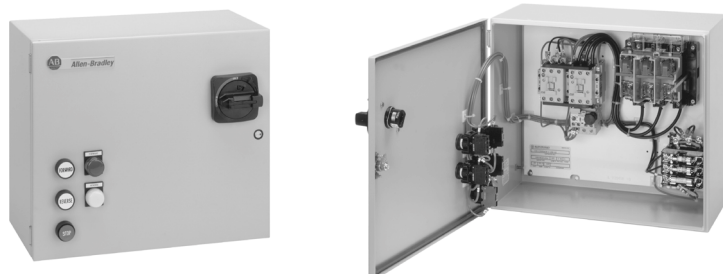


IEC Reversing Combination Starters

Fusible Disconnect Type



Cat. No. 106-C30FBA1H-4RW-6P
IP66 (Type 3,4,12) Metal Enclosure with Hinged Cover

Bulletin 106

- Selection of Metal Enclosures IP42 (Type 1) and IP66 (Type 3/4/12)
- Bimetallic Class 10 Overload Relay
- Solid-State Overload Relays
- Compact Design
- Meets International Standards
- Can Be Modified in the Field

TABLE OF CONTENTS

Description	Page	Description	Page
Product Selection	3-67	Modifications	3-100
Accessories	3-89	Approximate Dimensions	3-105 and 3-108

Description

Bulletin 106 Combination starters use a Bulletin 104 reversing contactor, a Bulletin 193 bimetallic (Class 10) or solid-state overload relay, and a Bulletin 194R rotary disconnect switch. Reversing starters (9 A through 300 A) incorporate a “dual” interlock that provides both mechanical and electrical interlocking in a single unit. A normally open auxiliary contact is also included on each contactor.

Conformity to Standards:

IEC 947
VDE 0660
CSA 22.2
UL 508

Approvals:

cUL US

Your order must include:

- Cat. No. of the reversing combination starter selected.
- Coil Voltage Code.
- Overload Relay Suffix Code.
- If required, factory-installed modifications suffix code.
- If required, Cat. No. of any accessories.

Fusible Disconnect Type
AC Operated

Max I _e [A]	Ratings (AC3, AC4)					Fuse Clip Rating Amperes/ UL Class	IP42 (Type 1) General-Purpose Sheet Metal Enclosure (Hinged Cover)	IP66 (Type 3, 4, 12) Watertight, Dusttight Sheet Metal Enclosure (Hinged Cover)
	kW	HP					Cat. No.	Cat. No.
		3∅						
		200V	230V	460V	575V			
	3∅ 380...415V							
9	4	2	2	5	7-1/2	30A/Class CC	106-C09A⊗⊕	106-C09F⊗⊕
12	5-1/2	3	3	7-1/2	10	30A/Class J	106-C12A⊗⊕	106-C12F⊗⊕
23	11	5	7-1/2	15	15	30A/Class J	106-C23A⊗⊕	106-C23F⊗⊕
30	15	7-1/2	10	20	25	60A/Class J	106-C30A⊗⊕	106-C30F⊗⊕
43	22	10	15	30	30	60A/Class J	106-C43A⊗⊕	106-C43F⊗⊕
60	30	15	20	40	50	100A/Class J	106-C60A⊗⊕	106-C60F⊗⊕
72	37	20	25	50	60	100A/Class J	106-C72A⊗⊕	106-C72F⊗⊕
110	55	30	40	75	100	200A/Class J	106-B110A⊗⊕	106-B110F⊗⊕
180	90	50	60	125	150	200A/Class J	106-A180A⊗⊕	106-A180F⊗⊕
180	90	60	—	150	—	400A/Class J	106-B180A⊗⊕	106-B180F⊗⊕
250	132	75	100	200	250	400A/Class J	106-B250A⊗⊕	106-B250F⊗⊕
300	160	100	100	250	300	400A/Class J	106-B300A⊗⊕	106-B300F⊗⊕

⊗ **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. 106-C09A⊗⊕** becomes **Cat. No. 106-C09AB⊗**.

Voltage		208V	230...240V	460...480V	575...600V
Common Control ❶ Coil Voltage Code	60 Hz	H	A	B	C
120V — Separate Control (without transformer) Coil Voltage Code		AD	AD	CD	CD

⊕ **Overload Relay Code**

The Cat. No. as listed is incomplete. Select an overload relay code from page 3-87 or 3-88.

- ❶ When selecting a factory-installed control circuit transformer (see Modifications page 3-98), use the Common Control Coil Voltage Code to denote the transformer primary voltage. The starter coil and transformer secondary voltage will both be 120V by default. Example: **Cat. No. 106-C09FB⊗-6P** will have a transformer with a 480V primary/120V secondary and a 120V starter coil. If a starter coil voltage other than 120V is desired, a second Coil Voltage Code must be added to denote the coil/transformer secondary voltage. Example: **Cat. No. 106-C09FBJ⊗-6P** will have a transformer with a 480V primary/24V secondary and a 24V starter coil.

Accessories — Page 3-89
 Modifications — Page 3-100
 Approximate Dimensions — Page 3-105 and 3-108