Allen-Bradley Service Manual

150-F108FBD-3-6P-HC3

1. Description

The Allen-Bradley 150-F108FBD-3-6P-HC3 Smart Motor Controller is a NEMA Type 4/12, IP 65 rated member of the Allen-Bradley Bulletin 150 product line of soft starters. Designed for flexibility and installation in humid and dirty worksites, this smart motor controller has additional capabilities such as a hands-off auto selector switch, a fused control circuit transformer, and a door-mounted human-machine interface module.

2. Specifications

Specification	Value
Manufacturer	**Allen Bradley**
Product	**Type Smart Motor Controller**
Product	**Line SMC-Flex**
Part	**Number 150-F108FBD-3-6P-HC3**
Weight	**32.00 lbs (14.51 kg)**
Current	**Rating 108A**
Power	**Rating 75 HP**
Line	**Voltage 200 - 460 V AC**
Control	**Voltage 100 - 240 V AC**
Enclosure	**Type Open Construction**
Frequency	**50/60 Hz**
Number	**of Poles Three phase loads only**
Description	
The	**Allen Bradley 150-F108FBD-3-6P-HC3 Soft Starter is a part of the Bulletin 150 Solid-State Smart Motor Controller (SMC) family of soft starters or smart motor controllers that are designed and manufactured to combine the contactor and overload protection functions of a motor control system into 1 device. When installed in combination with a properly sized circuit breaker protection system, this smart motor controller will be able to provide the necessary energy for starting and stopping a motor circuit according to user-adjustable acceleration ramps. The Allen-Bradley 150-F108FBD-3-6P-HC3 Smart Motor Controller is intended for use in systems**

3. Product Information

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Technical specifications for 150-F108FBD-3-6P-HC3

Manufacturer Allen Bradley

Product Type Smart Motor Controller

Product Line SMC-Flex

Part Number 150-F108FBD-3-6P-HC3

Weight 32.00 lbs (14.51 kg)

Current Rating 108A

Power Rating 75 HP

Line Voltage 200 - 460 V AC

Control Voltage 100 - 240 V AC

Enclosure Type Open Construction

Frequency 50/60 Hz

Number of Poles Three phase loads only

Description

The Allen Bradley 150-F108FBD-3-6P-HC3 Soft Starter is a part of the Bulletin 150 Solid-State Smart Motor Controller (SMC) family of soft starters or smart motor controllers that are designed and manufactured to combine the contactor and overload protection functions of a motor control system into 1 device. When installed in combination with a properly sized circuit breaker protection system, this smart motor controller will be able to provide the necessary energy for starting and stopping a motor circuit according to user-adjustable acceleration ramps. The Allen-Bradley 150-F108FBD-3-6P-HC3 Smart Motor Controller is intended for use in systems with a rated current of 108 Amps, a rated Horsepower output of 75 Horsepower, and a rated input line voltage between 200 and 460 Volts AC, at a frequency of 50 or 60 Hertz.

The control line voltage of the Allen-Bradley 150-F108FBD-3-6P-HC3 Smart Motor Controller ranges between 100 and 240 Volts AC, enabling it to handle both 110 Volts AC or 220 Volts AC input signals without needing any additional modifications. With a NEMA Type 4/12 enclosure and an IP 65 environmental protection rating, the Allen-Bradley 150-F108FBD-3-6P-HC3 Smart Motor Controller is tough enough to be installed in relatively humid and dirty places that no other similar products would be able to withstand. Additional capabilities are integrated into this device for flexibility of installation such as the hands-off auto selector switch, the control circuit transformer with fused primary and secondary coils, and the human-machine interface module, and it is specifically designed to be door-mounted with a full numeric keypad featuring a Type 4/12 environmental protection rating.