

Allen-Bradley Service Manual

153H-F251FAD-50

1. Description

Under the SMC-Flex product line, the 153H-F251FAD-50 solid-state controller from Allen-Bradley offers robust performance for industrial applications. This model features a high current rating of 251 Amps and can support up to 200 horsepower at 460V AC, making it suitable for demanding environments.

2. Specifications

Specification	Value
Manufacturer	Allen Bradley
Category	Drives
Product	Line SMC-Flex
Part	Number 153H-F251FAD-50
Weight	100.00 lbs (45.36 kg)
Bulletin	Number Solid-State Controller with Circuit Breaker
Enclosure	Type IP65 (Type 4/12)
Controller	Rating 251 A, 200 Hp at 460V AC
Input	Line Voltage 230V AC, 3-phase, 50 and 60 Hz
Control	Voltage 120V AC
Rated	Voltage 230V AC
Control	Type Standard
Hp	Rating 100

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Technical specifications for 153H-F251FAD-50

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Category Drives

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Control Voltage 120V AC

Rated Voltage 230V AC

Control Type Standard

Hp Rating 100

Description

The Allen-Bradley 153H-F251FAD-50 solid-state controller is part of the SMC-Flex series, which provides efficient motor control solutions. With a current rating of 251 Amps, it can manage a maximum output of 200 horsepower at 460V AC. This device is particularly well-suited for demanding applications.

Its input line voltage rating is 230V AC, and it functions effectively in a 3-phase setup at 50 Hz and 60 Hz frequency. The drive operates using a control voltage rated at 120V AC. Additionally, the unit is housed in an IP65 (Type 4/12) enclosure, offering significant protection against dust and moisture for reliable operation in challenging environments. Serving both feeder and control circuit applications, the 153H-F251FAD-50 is designed for standard control types and showcases a robust design that enhances its application in industrial settings.

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