Allen-Bradley Service Manual

20AD5P0A0AYNNNC0

1. Description

20AD5P0A0AYNNNC0 PowerFlex70 AC Drive, 480 VAC, 3 PH, 5 Amps, 3 HP Normal Duty, 2 HP Heavy Duty,Panel Mount - IP20 / NEMA Type 1, with conformal coating, No HIM (Blank Plate), Brake IGBT Installed, Without Drive Mounted Brake Resistor, Without CE compliant filter, No Communication Module, Enhanced Control , No Feedback

2. Specifications

Specification	Value
Manufacturer	**Allen Bradley**
Category	**Drives**
Product	**Line PowerFlex 70**
Part	**Number 20AD5P0A0AYNNNC0**
UPC	**820919204579**
Weight	**8.81 lbs (4.00 kg)**
Voltage	**480V AC**
Ph	**3**
Amps	**5**
kW(Hp)	**2.2 (3.0)**
Frame	**B**
Enclosure	**Panel Mount - IP 20, NEMA/UL Type 1**
Interface	**Module Blank Cover**
Type	**Manual**
w/Brake	**Yes**
w/Resistor	**No**
Rating	**Not Filtered A & B Frames (Optional) C, D & E Frames**
Network	**Type None**
Control	**Enhanced**
Safe	**Off No**
Feedback	**No Feedback - Enhanced Control**

3. Product Information

20AD5P0A0AYNNNC0 PowerFlex70 AC Drive, 480 VAC, 3 PH, 5 Amps, 3 HP Normal Duty, 2 HP Heavy Duty,Panel Mount - IP20 / NEMA Type 1, with conformal coating, No HIM (Blank Plate), Brake IGBT Installed, Without Drive Mounted Brake Resistor, Without CE compliant filter, No Communication Module, Enhanced Control , No Feedback

Product Details

BASE DRIVE INFORMATION

Input Voltage 480 VAC, 3 PH

Output Current 5 Amps

Enclosure Panel Mount - IP20 / NEMA Type 1, with conformal coating

Frame Size Frame Size B

Output Current Information Output Amps: 5A Cont, 5.5A 1 Min, 7.5A 3 Sec

Brake IGBT Brake IGBT

EMC Filtering Options Without CE compliant filter

OPTIONS INFORMATION

Base Plus Options Base Plus Options Method

Human Interface Module No HIM (Blank)

Internal Communication Module No Communication Module

Replacement Parts

Product Type Base Drive(s) [Level 3]

Catalog Number 20AD5P0A0AYNNNC0

Description Base Replacement Drive NO OPTIONS

Quantity 1

Product Type Drive Option(s)

Catalog Number 20A-DG01

Description DriveGuard Safe-Off Option Board (works only with PowerFlex 70 Enhanced Control)

Quantity 1

Product Type Drive Option(s)

Catalog Number AK-M9-115VAC-1

Description 115VAC Digital Interface

Quantity 1

Product Type Drive Option(s)

Catalog Number 20-HIM-A0

Description Blank Plate

Quantity 1

Product Type Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies

Catalog Number SK-M9-FAN1-ABCD1

Description External Fan (Heat Sink) A & B Frame

Quantity 1

Product Type Miscellaneous Hardware and Cables

Catalog Number SK-M9-SCB1

Description Service Connection Board

Quantity 1

Product Type Miscellaneous Hardware and Cables

Catalog Number SK-M9-CPLT1-B1

Description Conduit Plate, IP 20 NEMA Type 1 and Flange Mount

Quantity 1

Product Type Miscellaneous Hardware and Cables

Catalog Number SK-M1-CVR1-B1

Description Front Cover with Powerflex 70 Logo, IP 20 NEMA Type 1

Quantity 1

This PF70 manufactured by AB is a 5 Amp VFD. Additionally, it comes with a rating of 3 horsepower. This drive has a kW rating of 2.2 kW. This PowerFlex 70 AC drive has an enhanced board included, is powered with 480 VAC (50 Hz), and has a B frame size. It has no human interface included, instead this drive has a blank cover.

Technical specifications for 20AD5P0A0AYNNNC0

Manufacturer Allen Bradley

Category Drives

Product Line PowerFlex 70

Part Number 20AD5P0A0AYNNNC0

UPC 820919204579

Weight 8.81 lbs (4.00 kg)

Voltage 480V AC

Ph 3

Amps 5

kW(Hp) 2.2 (3.0)

Frame B

Enclosure Panel Mount - IP 20, NEMA/UL Type 1

Interface Module Blank Cover

Type Manual

w/Brake Yes

w/Resistor No

Rating Not Filtered A & B Frames (Optional) C, D & E Frames

Network Type None

Control Enhanced

Safe Off No

Feedback No Feedback - Enhanced Control