15570800 Cut Sheet

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WEG Electric CFW500 series AC high-performance drive, enclosed, 230 VAC, 1/4hp with 3-phase and 1-phase input, SVC, V/Hz, VVW, FOC or torque mode, A frame, RS-485. Optional communication and STO modules available.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/15570800

Technical Specifications

Brand	WEG Electric
Item	Drive
Controller Type	High-performance
Series	CFW500
Voltage Type	AC
Nominal Drive Input Voltage	230 VAC
Nominal Drive Output Voltage	230 VAC
Number of Input Phases	3 and 1
Number of Output Phases	3
Horsepower By Input Phase	1/4hp with 3-phase and 1-phase input
Amperage Rating	1.6A
Control Mode	SVC, V/Hz, VVW, FOC or torque
Safe Torque Off (STO)	No
Temperature Rating	0 to 50 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	35mm DIN rail, panel or wall
Frame Size	A
Communication Port and Connection Type(s)	(1) RS-485 (3-pin terminal)
Port Protocol(s)	Modbus RTU Master/Slave
Port Speed(s)	up to 38.4k baud
Input Signal	4-20 mA, voltage or potentiometer input
Output Type	PWM output
Reverse Capability	Built-in
Internally Bypassed	No
Carrier Frequency Range	2.5-15 kHz
Output Frequency Range	0.1-500 Hz
Number of Analog Input Channels	1
Number Of Input Channels	1
Analog Input Signal Type	Current/voltage

Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	1
Input Resolution	10-bit
Input Current Signal Range	0-20 mA, 4-20 mA
Input Voltage Signal Range	0-10 VDC
Number of Analog Output Channels	1
Number Of Output Channels	1
Analog Output Signal Type	Current/voltage
Number of Non-Isolated Analog Output Commons	1
Number of Points per Analog Output Common	1
Output Resolution	10-bit
Output Current Signal Range	0-20 mA and 4-20 mA
Output Voltage Signal Range	0-10 VDC
Number of Discrete Input Points	4
Nominal Discrete Input Voltage	24 VDC
Discrete Input Type	Sourcing/sinking
Number of Non-Isolated Discrete Input Commons	1
Number of Points per Discrete Input Common	1
Number of Discrete Output Points	2
Nominal Discrete Output Voltage	240 VAC and 24 VDC
Discrete Output Type	Relay
Relay Configuration	(1) Form C (SPDT) relay

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Number of Non-Isolated Discrete Output Commons	1
Number of Points per Discrete Output Common	1
Load Current	0.5A/point relay, 150 mA/point discrete
Fuse Type	User-supplied external fuse
Programming Language	Ladder
SCCR Rating	65kA SCCR
Connector Type	Screw terminal
For Use With	3-phase induction and permanent magnet AC motors
Additional Information	Optional communication and STO modules available
Manufacturer Part Number	CFW500A01P6B2NB20G2

Agency Approvals

UL Listed File #	E184430
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
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