

14989840 Cut Sheet



WEG Electric CFW500 series AC high-performance drive, NEMA 4X, 230 VAC, 1/4hp with 3-phase and 1-phase input, SVC, V/Hz, VVW, FOC or torque mode, A frame, RS-485, Modbus RTU, 65kA SCCR. 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/14989840>

Technical Specifications

Brand	WEG Electric	Number Of Input Channels	1
Item	Drive	Analog Input Signal Type	Current/voltage
Controller Type	High-performance	Number of Non-Isolated Analog Input Commons	1
Series	CFW500	Number of Points per Analog Input Common	1
Voltage Type	AC	Input Resolution	10-bit
Nominal Drive Input Voltage	230 VAC	Input Current Signal Range	0-20 mA, 4-20 mA
Nominal Drive Output Voltage	230 VAC	Input Voltage Signal Range	0-10 VDC
Number of Input Phases	3 and 1	Number of Analog Output Channels	1
Number of Output Phases	3	Number Of Output Channels	1
Horsepower By Input Phase	1/4hp with 3-phase and 1-phase input	Analog Output Signal Type	Current/voltage
Amperage Rating	1.6A	Number of Non-Isolated Analog Output Commons	1
Control Mode	SVC, V/Hz, VVW, FOC or torque	Number of Points per Analog Output Common	1
Safe Torque Off (STO)	No	Output Resolution	10-bit
Temperature Rating	0 to 50 deg C	Output Current Signal Range	0-20 mA and 4-20 mA
Enclosure Type	NEMA 4X	Output Voltage Signal Range	0-10 VDC
IP Rating	IP66	Number of Discrete Input Points	4
Mounting	Wall	Nominal Discrete Input Voltage	24 VDC
Frame Size	A	Discrete Input Type	Sourcing/sinking
Dynamic Braking	Integrated dynamic braking unit	Number of Non-Isolated Discrete Input Commons	1
Communication Port and Connection Type(s)	(1) RS-485 (3-pin terminal)	Number of Points per Discrete Input Common	1
Port Protocol(s)	Modbus RTU Master/Slave	Number of Discrete Output Points	2
Port Speed(s)	up to 38.4k baud	Nominal Discrete Output Voltage	240 VAC and 24 VDC
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		

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Discrete Output Type	Relay
Relay Configuration	(1) Form C (SPDT) relay
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	CFW500A01P6B2DB66G2

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