15448373 Cut Sheet

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WEG Electric CFW500 series AC high-performance drive, enclosed, 460 VAC, 150 hp with 3-phase input, SVC, V/Hz, VVW, FOC, encoder or torque mode, G frame, RS-485, integrated dynamic braking. 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/15448373

Technical Specifications

Brand	WEG Electric
Item	Drive
Controller Type	High-performance
Series	CFW500
Voltage Type	AC
Nominal Drive Input Voltage	460 VAC
Nominal Drive Output Voltage	460 VAC
Number of Input Phases	3
Number of Output Phases	3
Horsepower By Input Phase	150 hp with 3-phase input
Amperage Rating	180A
Variable Torque Amperage Rating	211A
Control Mode	SVC, V/Hz, VVW, FOC, encoder or torque
Integrated EMI Filter	No
Safe Torque Off (STO)	Optional module
Temperature Rating	-10 to +45 °C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel, wall or flange
Frame Size	G
Dynamic Braking	Integrated dynamic braking
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

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 and 4–20 mA
Input Voltage Signal Range	0–10 VDC
Number of Analog 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	Sinking/relay
Relay Configuration	(1) Form C (SPDT) relay
Number of Non-Isolated Discrete Output Commons	1

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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
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	CFW500G0211T4DB20G2

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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