

14938111 Cut Sheet



WEG Electric CFW500 series AC high-performance drive, NEMA 4X, 230 VAC, 5hp with 3-phase input, SVC, V/Hz, VVW, FOC or torque mode, A 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/14938111>

Technical Specifications

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|--|---|
| 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 |
| Number of Output Phases | 3 |
| Horsepower By Input Phase | 5hp with 3-phase input |
| Amperage Rating | 16A |
| Control Mode | SVC, V/Hz, VVW, FOC or torque |
| Safe Torque Off (STO) | No |
| Temperature Rating | 0 to 50 deg C |
| Enclosure Type | NEMA 4X |
| IP Rating | IP66 |
| Mounting | Wall |
| Frame Size | A |
| 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 |
| Number Of Input Channels | 1 |

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| 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 | CFW500A16P0T2DB66G2 |

Agency Approvals

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|-----------------------------|--|
| 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:
<https://cdn.automationdirect.com/static/drawings/14938111.pdf>
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