

Orientalmotor

ORIENTAL MOTOR U.S.A. Corp.
570 Alaska Avenue
Torrance, CA 90503
1-800-GO-VEXTA (468-3982)

Item # RKD514H-C, New Pentagon (Bipolar) Microstep Driver (Single-Phase 200/230 VAC)



This product has been discontinued please contact your local sales office for more information.

Web Price

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Specifications

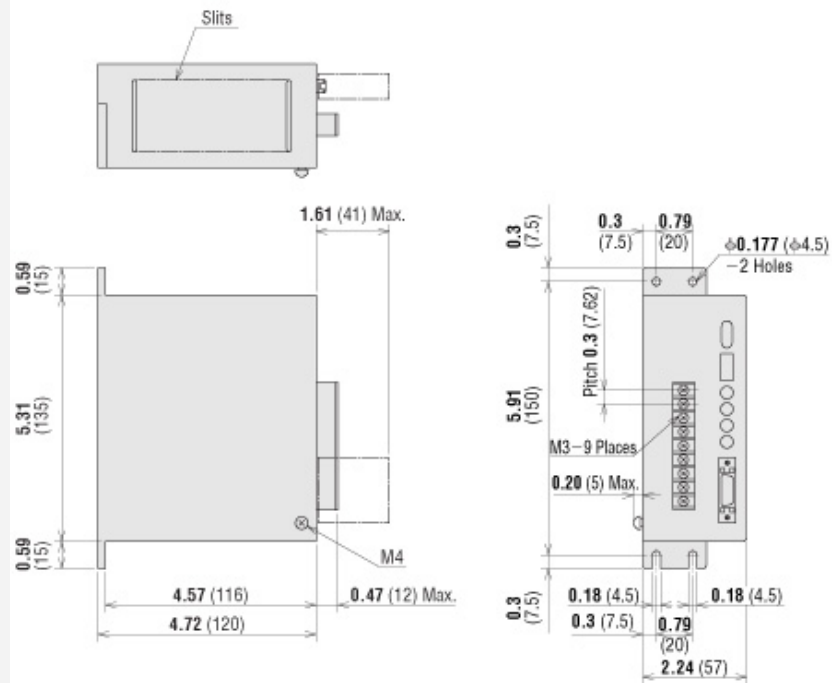
Product Line	VEXTA ®
Power Supply	Single-Phase 200/230 VAC
Excitation Mode	Microstep
RoHS Compliant	Yes
Safety Standards	UL CSA EN CE

Dimensions

14 RKD514L-A, RKD514L-C, RKD514H-A, RKD514H-C

Weight: 1.9 lb. (0.85 kg)

Dimensions



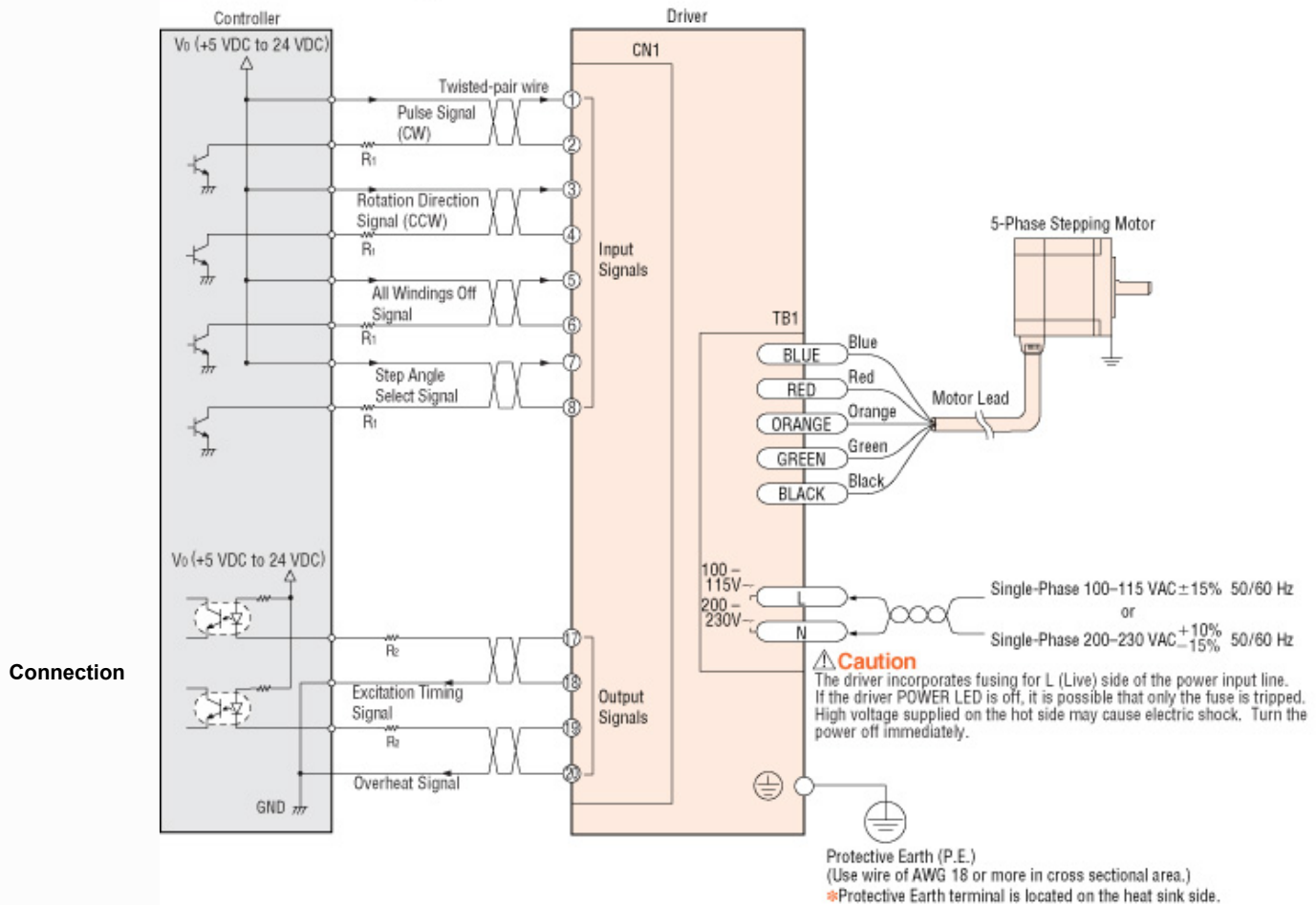
● I/O Connector (included)

Connector: 54306-2011 (MOLEX)

Cover Assembly: 54331-1201 (MOLEX)

Connection

Connection Diagrams



◆ Power Supply

Can be used with single-phase 100-115 VAC or single-phase 200-230 VAC 50/60 Hz power supply. Use a power supply that can supply sufficient input current. When power supply capacity is insufficient, a decrease in motor output can cause the following malfunctions:

- Motor does not rotate properly at high-speed (insufficient torque).
- Slow motor startup and stopping.

Notes:

- Keep the voltage V_0 between 5 VDC and 24 VDC. When they are equal to 5 VDC, the external resistance R_i is not necessary. When they are above 5 VDC, connect R_i to keep the current between 10 mA and 20 mA, and connect R_e to keep the current below 10 mA.
- Use twisted-pair wire of AWG 24 or thicker and 6.6 feet (2 m) or less in length for the signal line.
- Note that as the length of the pulse signal line increases, the maximum transmission frequency decreases. (→ Technical Reference F-36)
- Use AWG 22 or thicker for motor lines (when extended) and power supply lines, and use AWG 18 or thicker for the wire for the protective earthing line.
- Use spot grounding for the grounding of the driver and external controller.
- Signal lines should be kept at least 3.9 inch (10 cm) away from power lines (power supply lines and motor lines). Do not bind the signal line and power line together.