AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICM-D5 Series Dual-Axis Servo Drive

Model series: ICM-D5

Two axes in one housing, 0.4–40 kW.

The ICM-D5 is a dual-axis drive (below 8 kW) with up to 160 A maximum drive current and 0.4 kW to 40 kW of continuous output. The 200–500 VAC input removes the transformer, and the multi-threaded operating system keeps both axes responsive under complex, interpolated motion.



KEY FEATURES

- Dual-axis configuration for drives below 8 kW
- Ultra-wide 200 VAC – 500 VAC input range
- Continuous output from 0.4 kW to 40 kW
- Maximum drive current from 5 A to 160 A
- Multi-threaded operating system for multi-tasking drive control
- Common DC bus, no braking resistor required
- Industrial Ethernet with ring / line topology
- Saves cabinet space — no transformer required

TECHNICAL DATA

Axes per unit	**2 (below 8 kW)**
Continuous output power	**0.4 kW – 40 kW**
Max. drive current	**5 A – 160 A**
Input voltage	**200 VAC – 500 VAC**
Controller OS	**Multi-threaded, multi-tasking**
DC bus	**Common DC bus**
Network	**Industrial Ethernet, ring / line topology**

TYPICAL APPLICATIONS

Gantry and dual-head machines

Winders and unwinders

Print and packaging lines

Sizing support included. Send us your cycle diagram, load table or CAD files and we will return an axis-by-axis selection proposal, bill of materials and commissioning plan — every enquiry is answered by an engineer within one business day.

COMPLIANCE AND DOCUMENTATION SUPPLIED

CE — EMC directive

CE — Low Voltage directive

UL listed assemblies

RoHS declaration

Declaration of conformity

2D / 3D drawings

EPLAN macro

User manual

Firmware & parameter set

> The full compliance pack and language-specific manuals are issued with the shipment and can be supplied before your design freeze on request. Documentation is provided for the exporting entity, **Sureton Automation**.

Sureton Automation

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Sureton Automation, a division of Sureton Group. Technology and manufacturing partner: ICON Industrial (Beijing R&D, Jiaxing manufacturing, China). Sister division: Sureton Precision Manufacturing (https://sureton.cn). Technical data is indicative and continuously refined — please confirm the current revision before design freeze.