AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICM-D1 Series Servo Drive

Model series: ICM-D1

The single-axis workhorse, 0.4–7.5 kW.

The ICM-D1 is a stand-alone single-axis drive with the rectifier, inverter and braking unit integrated into one housing. It connects to any motion controller over standard industrial Ethernet servo bus and covers a continuous output range of 0.4 kW to 7.5 kW — the default choice for compact machines that still need full-featured motion control.



KEY FEATURES

- Continuous output from 0.4 kW to 7.5 kW
- Integrated rectifier, inverter and braking unit in a stand-alone structure
- STO (Safe Torque Off) functional safety
- Standard industrial Ethernet servo bus, ring or line topology
- Common DC bus — braking resistor not required
- Dynamic braking and V/f operating mode supported

TYPICAL APPLICATIONS

CNC axes · Packaging machinery · Electronic assembly equipment · General-purpose machine automation

TECHNICAL DATA

Continuous output power	**0.4 kW – 7.5 kW**
Structure	**Single-axis stand-alone, integrated rectifier / inverter / brake unit**
Safety function	**STO**
Network	**Standard industrial Ethernet servo bus, ring / line topology**
DC bus	**Common DC bus, no braking resistor required**
Braking	**Dynamic braking supported**
Additional mode	**V/f (variable frequency) mode supported**

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

No.128, Jianzhong Section, Quanya Line, Quantang Town, Pinghu City, Zhejiang Province, China

Building 4, No. 18, Zhujiacun Road, Puzhuang, Linhu Town, Wuzhong District, Suzhou City, Jiangsu Province, China

Contact

service@sureton.cn
+86 (573) 8580 1258
WhatsApp +86 179 0173 1609
Mon–Fri 8:00–17:00 (GMT+8) · Sat–Sun 12:00–18:00 · GMT+8

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.