AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICM-LVD Series Low-Voltage Servo System

Model series: ICM-LVD

DC-powered, dual-axis, ultra compact.

A low-voltage DC-input servo system for AGVs, mobile equipment and DC-powered machinery. Fully digital motor control algorithms deliver high-precision position, speed and torque control, with an independent control supply so the drive stays alive and diagnosable even when the power stage is off.



KEY FEATURES

- Ultra-compact dual-axis design saves installation space
- Wide 12–80 VDC power input
- Independent 24 VDC ±10 % control supply
- LED display for direct status feedback
- STO safe torque off function
- Supports multiple encoder types and dual-feedback configurations

TECHNICAL DATA

Power input	**12 – 80 VDC**
Control supply	**24 VDC ±10 %, independent**
Axes per unit	**2, ultra-compact**
Display	**LED digital**
Safety function	**STO**
Feedback	**Multiple encoder types, dual feedback supported**

TYPICAL APPLICATIONS

AGVs and AMRs

Mobile and battery-powered machinery

On-board robotics

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.