AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

# ICM-B Series Servo Motor

Model series: ICM-B · absolute position memory

## Absolute positioning, UL listed.

The ICM-B is a mid/low-inertia permanent-magnet synchronous motor built around a new pole-slot combination and an optimised magnetic circuit, which raises performance and reliability without enlarging the frame. It remembers absolute position, so the machine returns to a known position without a homing cycle after power-up, and the full-digital feedback chain keeps positioning repeatable at production speeds. Available with CE and UL certification for export programmes.



### KEY FEATURES

- High-precision feedback encoder
- New pole-slot combination and optimised magnetic circuit
- Absolute position memory — no homing cycle after power-up
- Full-digital feedback data for reliable, repeatable positioning
- Mid/low inertia for fast acceleration with stable settling
- CE and UL certified

### TECHNICAL DATA

| | |
|---|---|
| Motor type | **AC permanent-magnet synchronous, mid/low inertia** |
| Feedback | **High-precision encoder, absolute position memory** |
| Magnetic design | **Optimised pole-slot combination and magnetic circuit** |
| Positioning | **Absolute, no re-homing after power-up** |
| Certification | **CE · UL** |

### TYPICAL APPLICATIONS

Positioning axes without homing · Machine tools · Lithium battery and solar lines · General automation with UL requirements

**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.