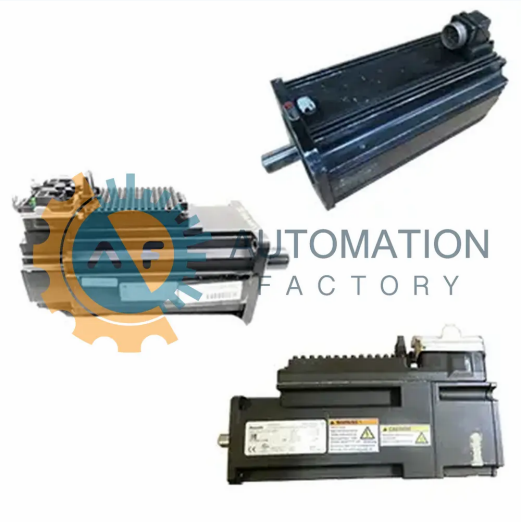
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM01.2B-071C-24N-M1-HG0-SE-NN-D7-NN-FW



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The **KSM01.2B-071C-24N-M1-HG0-SE-NN-D7-NN-FW** is a motor-integrated servo drive manufactured by Bosch Rexroth Indramat within the KSM Motor Integrated Servo Drives series. This decentralized unit combines a motor, drive electronics, and a fieldbus interface in one enclosure, allowing it to mount directly on a machine axis and reduce cabinet wiring. In industrial automation systems, it provides closed-loop torque and speed regulation for conveyors, pick-and-place modules, and other motion tasks that benefit from distributed control. The product has an internal series code of 1 and belongs to the basic performance level for this platform.

Power enters through a **hybrid connector** that carries DC power and control lines, simplifying daisy-chain installation. The power stage accepts **DC 750 V**, making it compatible with modular bus supplies in multi-axis cells. Heat is removed by **natural convection**, so no fans are required and the enclosure can remain sealed. The platform uses frame size **071** with motor length C, while winding code 24 supports the motor's electrical characteristics within a compact housing. Command data travel over **SERCOS 2 (RS-422)**, which supports deterministic communication cycles between the drive and controller. The unit uses the standard design option and design version 2 for its mechanical interfaces.

Feedback is handled through **Hiperface** communication with an optical encoder that generates **128 signal periods** per revolution. The **multi-turn absolute encoder** reports position across multiple shaft revolutions without requiring a battery, allowing the controller to recover the axis position immediately after power-up. The drive is supplied without a holding brake, so an external mechanism must secure the load while the axis is idle or

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unpowered. A **plain shaft with a shaft seal** transmits torque while helping prevent contaminants from reaching the internal components. No safety technology is integrated into the drive. Power, feedback, and communication functions are contained within the motor-mounted enclosure, reducing the number of separate connections required between the axis and control cabinet.

Specifications

Connection Type:	Hybrid Connector	**Cooling Type:**	Natural convection	**Design Option:**	Standard
Design Version:	2	**Encoder Interface:**	Hiperface	**Encoder Resolution:**	128 signal periods
Encoder Technology:	Optical	**Encoder Turn Type:**	Multi-turn absolute	**Holding Brake:**	Without holding brake
Master Communication Protocol:	SERCOS 2 (RS422)	**Motor Length:**	C	**Motor Size:**	071
Performance Level:	Basic	**Product Type:**	Motor-Integrated Servo Drive	**Safety Technology:**	Without safety technology
Series:	1	**Shaft Seal:**	Yes	**Shaft Type:**	Plain shaft
Supply Voltage:	DC 750 V	**Winding Code:**	24	**Last Verified:**	11/09/2026 1:36 PM

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