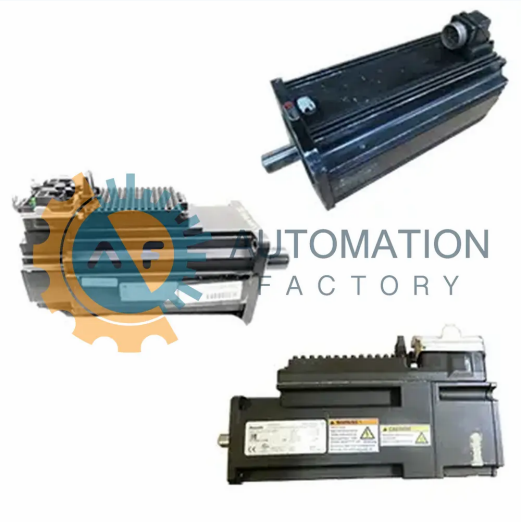
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-071C-24N-S1-HG0-ET-NN-D7-NN-FW



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The **KSM02.1B-071C-24N-S1-HG0-ET-NN-D7-NN-FW** is a motor-integrated servo drive manufactured by Bosch Rexroth Indramat and supplied within the KSM Motor Integrated Servo Drives series. The unit combines an inverter stage, feedback evaluation, and a synchronous servo motor so it can be mounted near the load rather than inside the cabinet. This architecture shortens cable runs, eases expansion, and delivers closed-loop positioning for conveyors, pick-and-place gantries, and other motion tasks in automated lines.

It draws power from a **DC 750 V** supply, so it connects to the common DC bus of modular drive systems without an intermediate rectifier. Heat generated by the electronics is removed through **natural convection**, allowing installation without fans when ambient airflow is available. Motor power and feedback conductors are grouped in a single **hybrid connector**, which reduces installation time and protects the connection against vibration. Command data and diagnostics travel over **Multi-Ethernet**, enabling the unit to join EtherNet/IP, PROFINET, or EtherCAT networks. Position feedback is resolved by an optical encoder that produces **128 signal periods** per revolution, providing fine incremental resolution for velocity and position loops.

The drive body corresponds to motor size **071** and length code C, providing a compact envelope for medium-torque applications. A **plain shaft** simplifies coupling to gearheads or belt pulleys, and a shaft seal helps limit the ingress of dust or coolant. Because the unit is supplied without a holding brake, mechanical locking or drive torque must retain stationary loads. The unit comes **without integrated safety technology**, so external safety relays must be used where required. With winding code 24 and Series 2 electronics, this configuration is in the **Basic** performance

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tier and provides the standard dynamic range for general-purpose motion tasks.

Specifications

Connection Type:	Hybrid Connector	**Cooling Type:**	Natural convection	**Design Option:**	Standard
Design Version:	1	**Encoder Interface:**	Hiperface	**Encoder Resolution:**	128 signal periods
Encoder Technology:	Optical	**Encoder Turn Type:**	Single-turn	**Holding Brake:**	Without holding brake
Master Communication Protocol:	Multi-Ethernet	**Motor Length:**	C	**Motor Size:**	071
Performance Level:	Basic	**Product Type:**	Motor-Integrated Servo Drive	**Safety Technology:**	Without safety technology
Series:	2	**Shaft Seal:**	Yes	**Shaft Type:**	Plain shaft
Supply Voltage:	DC 750 V	**Winding Code:**	24	**Last Verified:**	11/07/2026 9:25 AM

Contact Us

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