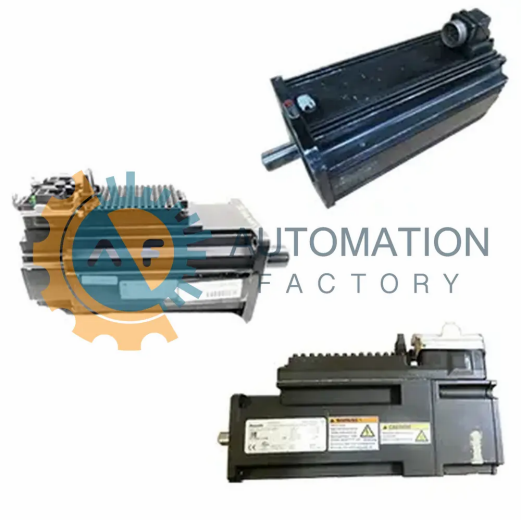
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-071C-35N-M1-HG0-ET-NN-D7-NN-FW



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The **KSM02.1B-071C-35N-M1-HG0-ET-NN-D7-NN-FW** is a motor-integrated servo drive produced by **Bosch Rexroth Indramat** for the KSM Motor Integrated Servo Drives series. It combines power electronics, motor feedback, and an IEC-frame motor in one package, allowing decentralized motion control on compact machinery. The integrated arrangement reduces the need for cabinet-mounted inverters and extensive motor cabling in automated assembly stations and material-handling cells. Its direct connection to a shared intermediate circuit also supports distributed machine layouts with multiple coordinated axes.

The drive operates from a **750 V DC bus** and dissipates heat through **natural convection**, eliminating the need for external fans. Power, signal, and brake conductors share a single **hybrid connector**, which reduces the number of separate cable connections required at the motor. Position feedback is transmitted through the **Hiperface interface**, and the encoder provides **128 signal periods** during each mechanical revolution. The motor has size 071 and length C, providing a compact stator arrangement for installations with limited space. Its design version is 1, and its basic performance level is intended for standard motion-control functions. The motor has a plain shaft without a key, and a shaft seal helps protect the bearing area from contaminants. It is supplied without a holding brake, so stationary loads must be retained by drive torque or an external clamping device.

The optical encoder is a **multi-turn absolute encoder** that retains position information across power cycles, eliminating the need for a new homing routine after every shutdown. Command data and diagnostic information are exchanged through the **Multi-Ethernet port**, which supports compatible real-time Ethernet communication

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protocols. The plain output shaft accommodates direct connection to suitable clamping couplings, gears, or pulleys. The stator uses **winding code 35** for its electrical configuration. The product has Series 2 construction and a standard design option. It does not include integrated safety technology, so machine safety functions must be provided through an external safety system.

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:**	Multi-turn absolute	**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:**	35	**Last Verified:**	11/10/2026 2:19 PM

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: 1-888-551-3082

International: 1-919-443-0207

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