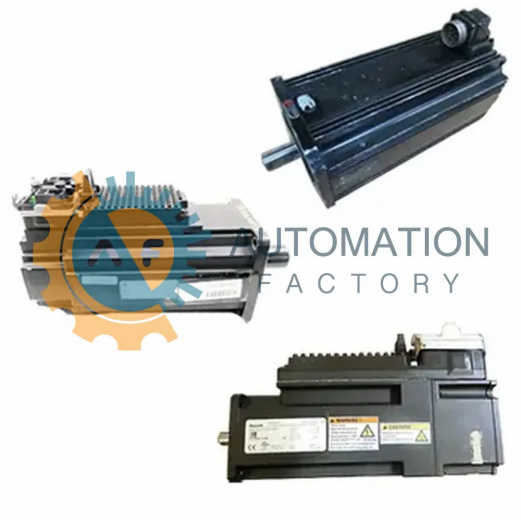
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-076C-35N-S3-HG0-ET-NN-D7-NN-FW



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The **KSM02.1B-076C-35N-S3-HG0-ET-NN-D7-NN-FW** is a motor-integrated servo drive manufactured by Bosch Rexroth Indramat as part of the KSM Motor Integrated Servo Drives series. By combining a drive controller with a synchronous motor in one enclosure, it simplifies decentralized machine layouts and shortens cable runs. The product acts as a distributed axis for industrial automation, executing closed-loop speed and torque control directly at the point of motion to support packaging, material-handling, and assembly equipment.

The drive operates from a supply bus of **DC 750 V** and uses a **hybrid connector** that carries power, feedback, and network signals through a single cable. Thermal dissipation is handled by **natural convection**, so no forced-air hardware is required. Control data are exchanged through the **Multi-Ethernet interface**, allowing the axis to operate on EtherNet/IP, PROFINET, or Sercos III networks without additional adapters. Position feedback is processed through a **Hiperface interface**. The unit has a basic performance level, a standard design option, design version 1, and Series 2 electronics. The assembly has no holding brake or integrated safety technology, so external equipment must secure the load and provide the required safety functions.

The single-cable feedback path employs a **capacitive encoder** that produces **16 signal periods** per mechanical revolution and reports absolute position as a **single-turn value**. The motor uses a 076 frame and length C, while **winding code 35** identifies its electromagnetic configuration. A plain shaft transmits torque directly to the connected load. A shaft seal helps prevent lubricants and dust from entering the motor housing. The compact profile supports direct coupling to low-inertia loads while keeping the motor suitable for overhead-axis installations where

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available mounting space may be limited.

Specifications

Connection Type:	Hybrid Connector	**Cooling Type:**	Natural convection	**Design Option:**	Standard
Design Version:	1	**Encoder Interface:**	Hiperface	**Encoder Resolution:**	16 signal periods
Encoder Technology:	Capacitive	**Encoder Turn Type:**	Single-turn	**Holding Brake:**	Without holding brake
Master Communication Protocol:	Multi-Ethernet	**Motor Length:**	C	**Motor Size:**	076
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:**	11/09/2026 6:57 AM

Contact Us

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