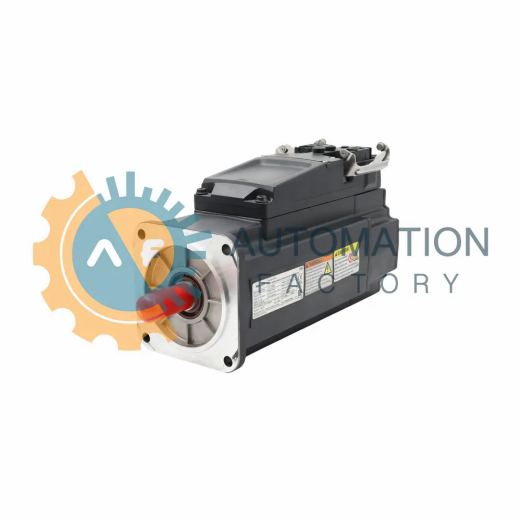
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-061C-35N-M1-HG0-ET-S3-D7-NN-FW



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The **KSM02.1B-061C-35N-M1-HG0-ET-S3-D7-NN-FW** is a motor-integrated servo drive from Bosch Rexroth Indramat in the KSM Motor Integrated Servo Drives series. By combining a synchronous motor, drive electronics, and feedback in a sealed unit, it provides decentralized motion control for packaging stations, material-handling gantries, and conveyor modules. The compact unit mounts directly on the machine frame, reducing the amount of wiring routed to a central control cabinet. It can operate with other compatible axes connected to a common DC bus in an automated machine.

Electrical power is supplied through a **750 V DC link** that can be shared with other axes on the same bus. A single **hybrid connector** carries power, communication, and control signals, reducing the number of separate cable connections required at the motor. Heat from the power stage is dissipated through **natural convection**, eliminating the need for cooling fans or liquid circuits. The **Multi-Ethernet interface** supports PROFINET, EtherNet/IP, and EtherCAT communication without additional interface hardware. Integrated **Safe Motion functions** provide speed and position supervision without a safety brake controller. A shaft seal helps prevent coolant and dust from reaching the front bearing while preserving the enclosure protection needed around industrial machinery.

The feedback system uses a **Hiperface optical encoder** that produces **128 signal periods per revolution**. Its **multi-turn absolute capability** retains position information across power cycles, allowing the axis to resume operation without a homing routine. The unit has a 061 frame, motor length C, winding code 35, and a basic

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performance profile. Its **plain shaft** provides a smooth output interface for a clamping coupling, while the shaft seal protects the bearing area. The motor follows the standard design option and uses the Series 2 platform with design version 1. Because it is supplied without a holding brake, an external mechanical brake or another suitable restraint must secure vertical loads whenever drive power is removed.

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:**	061
Performance Level:	Basic	**Product Type:**	Motor-Integrated Servo Drive	**Safety Technology:**	Safe Motion (without SBC)
Series:	2	**Shaft Seal:**	Yes	**Shaft Type:**	Plain shaft
Supply Voltage:	DC 750 V	**Winding Code:**	35	**Last Verified:**	11/09/2026 8:28 AM

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