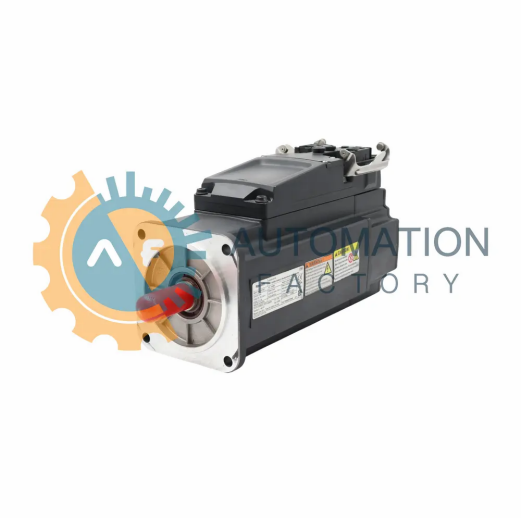
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-061C-35N-M1-HP2-ET-NN-D7-NN-FW



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The **KSM02.1B-061C-35N-M1-HP2-ET-NN-D7-NN-FW** is manufactured by Bosch Rexroth Indramat for the KSM Motor Integrated Servo Drives series. The Series 2 unit combines a synchronous motor with drive electronics, reducing the amount of cabinet space needed for decentralized automation. By placing control, power, and feedback functions at the axis, the unit supports precise position and velocity regulation in packaging, assembly, and material-handling machinery. This integrated arrangement also shortens the electrical connections between the inverter and motor.

Electrical and feedback connections are handled through a single **hybrid connector** that carries the DC bus, signal lines, and protective earth. Heat is removed through **natural convection**, eliminating the need for an auxiliary fan. Rotor position is measured by a **Hiperface optical encoder** that delivers **128 signal periods** per mechanical revolution. Its **multi-turn absolute capability** provides valid position data across multiple revolutions without requiring a homing move after startup. The **electrically released holding brake** uses spring force to secure the shaft whenever electrical power is removed. The motor has winding code 35, a keyway shaft, an integrated shaft seal, and a basic performance level.

The brake coil operates from **DC 24 V**, allowing the drive controller to release the brake before commanded motion begins. Real-time motion commands are exchanged over the **Multi-Ethernet interface**, which supports communication through several industrial Ethernet protocols. Power reaches the integrated inverter through the hybrid cable at **DC 750 V**, matching the shared intermediate circuit used by compatible IndraDrive power supplies.

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The motor section has size 061 and length C, providing the physical format associated with this KSM configuration. The unit is design version 1 and uses the standard mechanical option for its housing and mounting arrangement.

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:**	Electrically Released
Holding Brake Voltage:	DC 24 V	**Master Communication Protocol:**	Multi-Ethernet	**Motor Length:**	C
Motor Size:	061	**Performance Level:**	Basic	**Product Type:**	Motor-Integrated Servo Drive
Safety Technology:	Without safety technology	**Series:**	2	**Shaft Seal:**	Yes
Shaft Type:	Shaft with keyway	**Supply Voltage:**	DC 750 V	**Winding Code:**	35
Last Verified:	11/10/2026 7:50 AM				

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