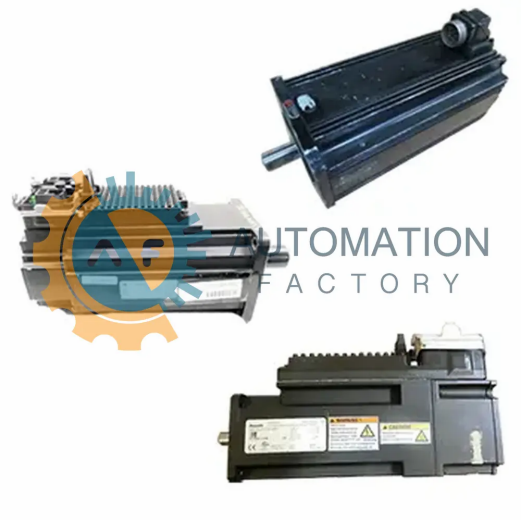
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM01.2B-061C-35N-S1-HP2-SE-NN-D7-NN-FW



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The **KSM01.2B-061C-35N-S1-HP2-SE-NN-D7-NN-FW** is produced by Bosch Rexroth Indramat as part of the KSM Motor Integrated Servo Drives series. This motor-integrated servo drive combines a permanent-magnet synchronous motor with a drive controller in one housing, allowing decentralized mounting on machine frames and reducing cabinet wiring. In automated assembly lines or packaging stations, it regulates torque and speed directly at the axis while receiving position commands from the main controller over the selected real-time bus. Locating the control electronics near the motor also shortens power and feedback cable routes within the machine.

It draws DC-link power from a regulated bus at **750 V DC** and exchanges cyclic setpoints and status words through the **SERCOS 2 (RS-422)** channel used by the KSM platform. A single **hybrid connector** carries the power lines, fieldbus, and auxiliary I/O, simplifying installation. Position feedback to the servo logic is delivered by a **Hiperface optical encoder** that provides **128 signal periods** per mechanical revolution. The single-turn format supplies an absolute position within one revolution without tracking multiple shaft turns. The unit is hardware series 1 and design version 2, with a basic performance level and standard design option.

Thermal management relies on **natural convection**, so the drive must be mounted with unobstructed airflow around its cooling fins. An electrically released brake supplied at **24 V DC** locks the rotor when control power is removed, supporting vertical or indexing loads. The output interface uses a **shaft with a keyway**, and a shaft seal helps block coolant and dust from entering around the shaft. The frame follows the **061 size code** with motor length C and winding code 35, providing a compact envelope for confined mounting spaces. Its sealed housing

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supports installation on exposed machine axes where airborne debris or occasional fluid contact may occur.

Specifications

Connection Type:	Hybrid Connector	**Cooling Type:**	Natural convection	**Design Option:**	Standard
Design Version:	2	**Encoder Interface:**	Hiperface	**Encoder Resolution:**	128 signal periods
Encoder Technology:	Optical	**Encoder Turn Type:**	Single-turn	**Holding Brake:**	Electrically Released
Holding Brake Voltage:	DC 24 V	**Master Communication Protocol:**	SERCOS 2 (RS422)	**Motor Length:**	C
Motor Size:	061	**Performance Level:**	Basic	**Product Type:**	Motor-Integrated Servo Drive
Safety Technology:	Without safety technology	**Series:**	1	**Shaft Seal:**	Yes
Shaft Type:	Shaft with keyway	**Supply Voltage:**	DC 750 V	**Winding Code:**	35
Last Verified:	11/09/2026 2:44 PM				

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