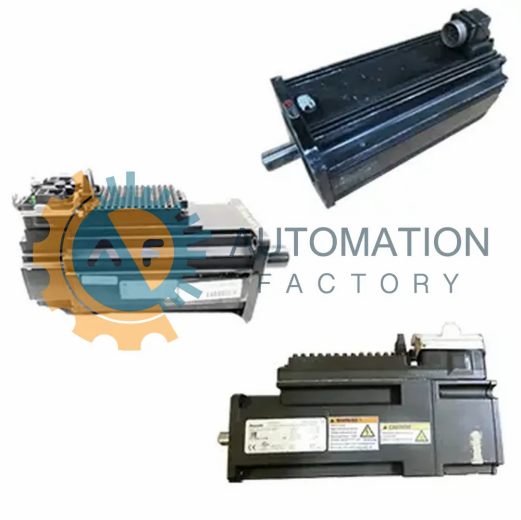
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM01.2B-076C-35N-S1-HG2-SE-NN-D7-NN-FW



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The **KSM01.2B-076C-35N-S1-HG2-SE-NN-D7-NN-FW** is manufactured by Bosch Rexroth Indramat and belongs to the KSM Motor Integrated Servo Drives series. As a motor-integrated servo drive, it combines a servo motor, drive electronics, and a fieldbus interface in one unit, allowing motion axes to be mounted directly on the machine frame without a separate cabinet-mounted drive. This integrated arrangement reduces wiring between the motor and control cabinet while supporting distributed automation architectures in packaging, material-handling, and assembly systems. The compact configuration also reduces the number of separately mounted components required for each controlled axis.

The drive is powered by a bus voltage of **DC 750 V**, allowing connection to a common DC link in multi-axis installations. Power, signal, and safety conductors share a single **hybrid connector**, reducing the number of separate connections and simplifying cable routing. Heat generated by the electronics is dissipated through **natural convection**, so the unit does not require an active cooling fan. Rotor position is measured by an optical encoder with a **Hiperface interface**, providing digital feedback that is compatible with supported Rexroth controllers. The encoder supplies **128 signal periods** per mechanical revolution, providing the feedback resolution needed for closed-loop speed and position control.

The **electrically released holding brake** clamps the shaft when control power is removed and releases it when the brake coil is energized. Its coil operates with **DC 24 V**, matching the auxiliary control voltage commonly available in industrial machines. Network communication uses **SERCOS 2 over RS-422**, which supports

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deterministic data exchange with higher-level motion controllers. The motor has a frame size of**076** and a length code of C, providing the mechanical envelope associated with this model. Its plain shaft includes an installed shaft seal that helps prevent contaminants from reaching the bearing area. The motor uses winding code 35 and has a standard design configuration for applications that use external machine-level safety circuitry.

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:	076	**Performance Level:**	Basic	**Product Type:**	Motor-Integrated Servo Drive
Safety Technology:	Without safety technology	**Series:**	1	**Shaft Seal:**	Yes
Shaft Type:	Plain shaft	**Supply Voltage:**	DC 750 V	**Winding Code:**	35
Last Verified:	11/10/2026 7:15 AM				

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: 1-888-551-3082

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