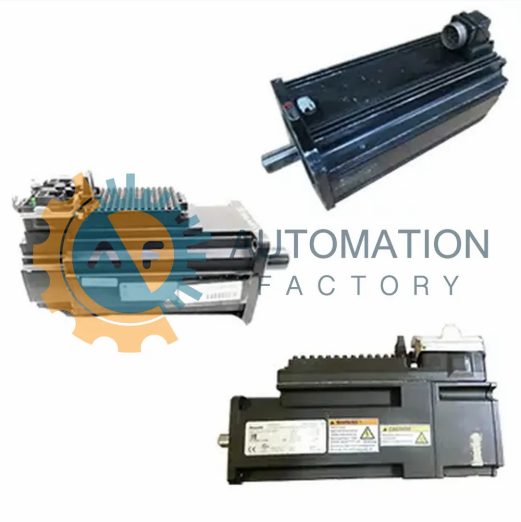
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-076C-35N-M1-HG0-ET-NN-D7-NN-FW



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The **KSM02.1B-076C-35N-M1-HG0-ET-NN-D7-NN-FW** is a motor-integrated servo drive built by Bosch Rexroth Indramat as part of the KSM Motor Integrated Servo Drives series. This drive-motor assembly combines power electronics, a permanent-magnet servomotor, and feedback hardware in a single enclosure, allowing motion axes to be placed directly on moving gantries or modular stations. It is intended to position light-to-medium loads with electric actuation in applications where cabinet space is limited and wiring complexity must be minimized.

The axis accepts a supply of **DC 750 V** from a shared DC bus, allowing the integrated inverter to generate the required phase currents without a local rectifier. All power, signal, and safety conductors enter through a **hybrid connector**, reducing the connector count and simplifying daisy-chain topologies. Heat produced by the inverter is removed through **natural convection**, so no fans are required. Rotor position is measured with a **Hiperface** optical encoder that delivers **128 signal periods** per revolution and provides multi-turn absolute position data, giving the controller immediate position information at power-up. The unit comes without a holding brake, so an external mechanical restraint is required for a vertical axis that must remain stationary when power is off.

Communication with higher-level controllers is handled through the **Multi-Ethernet** interface, which supports multiple real-time fieldbuses through a single port. The unit has a **Basic** performance rating and does not include integrated safety technology. Mechanical output is provided by a **plain shaft with a shaft seal**, which helps protect the bearing area from contaminants. The electromagnetic package uses winding code **35**, motor size 076, and motor length C. The unit also uses the standard design option, design version 1, and internal series number 2.

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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:**	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 3:26 PM

Contact Us

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Shipping Options

Payment Methods

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