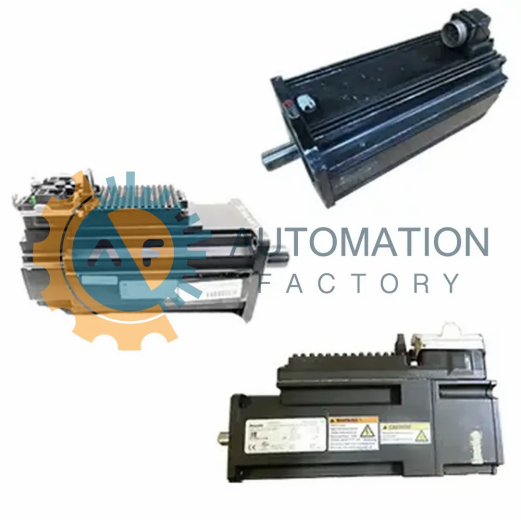
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

# KSM02.1B-071C-35N-S1-HG0-ET-SD-D7-NN-FW



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The **KSM02.1B-071C-35N-S1-HG0-ET-SD-D7-NN-FW** is manufactured by Bosch Rexroth Indramat as part of the KSM Motor Integrated Servo Drives series. By combining a synchronous motor, power electronics, and a network interface in one enclosure, it delivers decentralized axis control for packaging machinery, gantries, and other distributed automation layouts. The unit installs close to the load, minimizing cabinet wiring while still providing precise position, speed, and torque regulation. It is supplied with the Basic performance level and design version 1, making it suitable for standard motion sequences rather than advanced interpolation.

It draws power from a buffered DC link at **DC 750 V**, allowing energy to be shared among drives. Power, logic, and feedback lines pass through one **hybrid connector**, which reduces cable bulk. Heat is removed by **natural convection**, eliminating the need for fans or liquid cooling circuits. An optical encoder with a **Hiperface** output produces **128 signal periods** per revolution, while internal interpolation refines the position data. The encoder provides single-turn position feedback. The motor is supplied without a holding brake, so an external clamp must secure a vertical load when power is off.

Functional safety is implemented through **Safe Motion with SBC**, which allows the controller to verify speed and position limits without a separate safety drive. Real-time command and diagnostic data travel over **Multi-Ethernet**, supporting EtherNet/IP, PROFINET, or EtherCAT through a common communication interface. The frame size is **071**, and motor length C establishes the available magnetic stack length. Winding code **35** provides the electrical characteristics needed for mid-range indexed axes. A plain shaft simplifies direct coupling, while an internal shaft

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seal helps prevent grease migration and particle entry. The unit uses the standard design option and Series 2 electronics.

## 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:** | Single-turn | **Holding Brake:** | Without holding brake |
| **Master Communication Protocol:** | Multi-Ethernet | **Motor Length:** | C | **Motor Size:** | 071 |
| **Performance Level:** | Basic | **Product Type:** | Motor-Integrated Servo Drive | **Safety Technology:** | Safe Motion (with SBC) |
| **Series:** | 2 | **Shaft Seal:** | Yes | **Shaft Type:** | Plain shaft |
| **Supply Voltage:** | DC 750 V | **Winding Code:** | 35 | **Last Verified:** | 11/09/2026 12:13 PM |

## Contact Us


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### Shipping Options

### Payment Methods


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