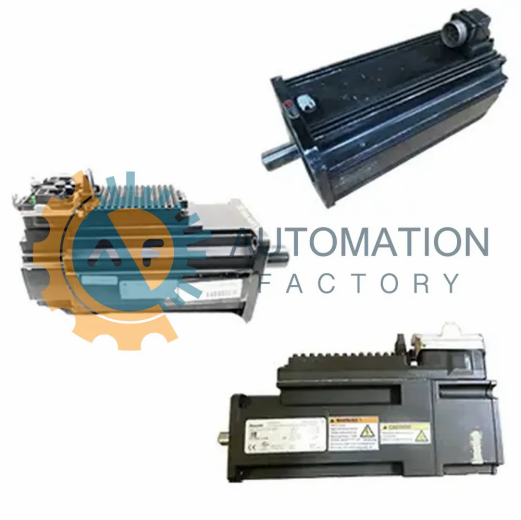
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-061C-35N-M1-HG0-ET-L3-D7-NN-FW



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The **KSM02.1B-061C-35N-M1-HG0-ET-L3-D7-NN-FW** is manufactured by Bosch Rexroth Indramat as part of the KSM Motor Integrated Servo Drives series. By combining the motor, power stage, and network interface in one enclosure, the device shortens cable runs and enables decentralized axis control in automated packaging, assembly, and intralogistics equipment. Its basic performance level supports workstations that need consistent torque and speed regulation without embedded high-level motion functions. The integrated design also reduces the number of separate components that must be installed around each controlled axis.

The drive operates from a common-bus supply of **DC 750 V**. Thermal energy is dissipated through **natural convection**, so clear vertical airflow around the housing is required. A single **hybrid connector** carries power, feedback, and network lines to simplify daisy-chain installation. The integrated interface supports **Multi-Ethernet communication**, allowing the controller to select EtherNet/IP, PROFINET, EtherCAT, or SERCOS III at runtime. Motion can be disabled through **Safe Torque Off (STO)**, which prevents the motor from producing torque without requiring additional contactors. The module has the standard design option and design version 1. It is supplied without a holding brake, so applications that must retain load torque when power is removed require an external mechanical lock.

Position feedback is delivered by an **optical Hiperface encoder** that generates **128 signal periods** per revolution and stores multi-turn absolute position data, removing the need for a homing cycle after startup. The electromechanical section has motor size 061 and length C, while its electromagnetic characteristics correspond to

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winding code 35. Output torque is transferred through a **plain shaft**, and a shaft seal helps keep contaminants away from the bearings. The product belongs to Series 2 of the KSM platform. Its compact integrated layout supports distributed drive arrangements in machines where control cabinets are separated from individual motion axes.

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:**	061
Performance Level:	Basic	**Product Type:**	Motor-Integrated Servo Drive	**Safety Technology:**	Safe Torque Off (STO)
Series:	2	**Shaft Seal:**	Yes	**Shaft Type:**	Plain shaft
Supply Voltage:	DC 750 V	**Winding Code:**	35	**Last Verified:**	11/08/2026 7:28 PM

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: 1-888-551-3082

International: 1-919-443-0207

Fax: 1-919-867-6204

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