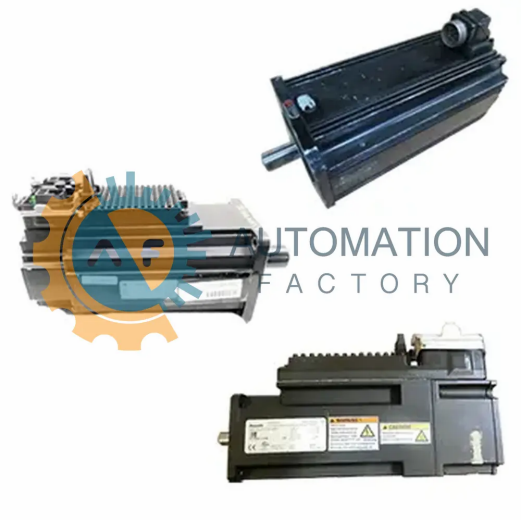
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-041C-42N-M1-HG0-ET-SD-D7-ES-FW



In-Stock, Ships 3-5 Days

- ☑ Get a Quote in 5 minutes
- ☑ Parts ship in as little as 24 hours
- ☑ Up to half the cost of the manufacturer

Secure Online Checkout

Free Ground Shipping

One Year Warranty

The **KSM02.1B-041C-42N-M1-HG0-ET-SD-D7-ES-FW** is a motor-integrated servo drive built by Bosch Rexroth Indramat within the KSM Motor Integrated Servo Drives series. It combines drive electronics and a synchronous motor in one housing to provide decentralized axis control for conveying, packaging, and assembly systems. This arrangement places motion control close to the driven axis, reducing the amount of power and signal wiring routed to the main cabinet. The unit can regulate position, velocity, and torque for machinery that requires compact motion control across multiple coordinated axes.

The drive receives power from a **750 V DC supply**, allowing it to operate with other compatible devices on a common DC bus. Heat is dissipated through **natural convection**, so the installation does not require forced-air components around the motor housing. Power, safety, and feedback lines pass through a single **hybrid connector**, reducing the number of separate cable connections between the drive and the cabinet. Command data are exchanged through an external Multi-Ethernet interface that supports several real-time industrial communication protocols. The unit has design version 1, belongs to internal series 2, and provides the Basic performance level. These characteristics support distributed control without requiring a separate drive module for each motor inside the main enclosure.

Position feedback is supplied by a **Hiperface encoder** with **128 signal periods** from its optical tracks, providing the drive with detailed rotor-position data. Its **multi-turn absolute capability** retains position information across multiple shaft revolutions, reducing the need to establish the axis position again after a power cycle. The integrated

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

© 2026 Automation Factory. All rights reserved.

Safe Motion system with SBC supports monitored motion and safe brake control functions within the drive architecture. The motor has a size of **041**, a motor length of C, and winding code 42 for its electrical configuration. Its **plain shaft** has no keyway, allowing it to work with low-backlash clamping couplings during bidirectional motion. A shaft seal provides moderate protection against contaminant entry around the output end. The drive is supplied without a holding brake, so an external mechanism or drive-applied torque must secure static loads when required.

Specifications

Connection Type:	Hybrid Connector	**Cooling Type:**	Natural convection	**Design Option:**	External master communication Multi-Ethernet
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:**	041
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:**	42	**Last Verified:**	11/08/2026 6:49 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

Email: sales@wakeindustrial.com

Shipping Options

DHL · FedEx · UPS · Freight

Payment Methods

American Express · MasterCard · VISA · Wire Transfer

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

© 2026 Automation Factory. All rights reserved.