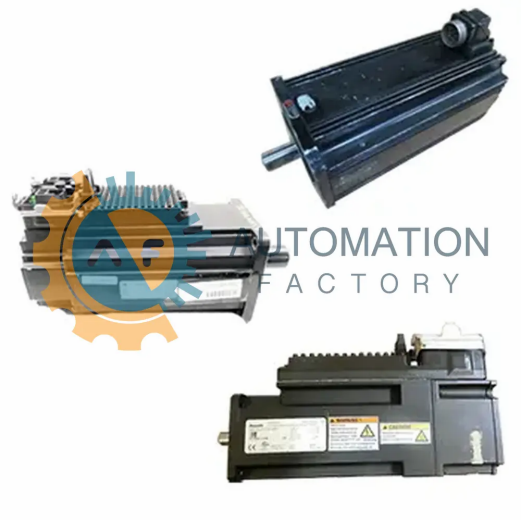
Bosch Rexroth Indramat — KSM Motor Integrated Servo Drives

KSM02.1B-041C-42N-S3-HG2-ET-NN-D7-ES-FW



Call For Quote

- ☑ 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-S3-HG2-ET-NN-D7-ES-FW** is a motor-integrated servo drive produced by Bosch Rexroth Indramat within the **KSM Motor Integrated Servo Drives series**. It combines drive electronics with a synchronous motor in one housing, allowing distributed axes to operate without separate cabinet-mounted drives. This arrangement reduces wiring between the control cabinet and motor while conserving enclosure space. The unit provides basic performance for controlled motion in assembly lines, packaging equipment, and material-handling systems.

The drive accepts a bus supply of **DC 750 V** from a shared DC link. Its internally mounted, electrically released brake uses a control voltage of **DC 24 V** to release the shaft during operation and secure it when power is removed. Heat from the motor and power electronics is dissipated through **natural convection**, eliminating the need for a cooling fan. Power, feedback, and network conductors pass through a single **hybrid connector**, which supports compact cable routing and daisy-chain installation. Position data is supplied by a **Hiperface encoder** with a capacitive single-turn measuring system, providing the drive with rotor position information after startup. The motor uses a plain shaft with a shaft seal, allowing direct coupling while helping prevent lubricant loss and contaminant entry.

Ethernet-based motion commands are exchanged through **Multi-Ethernet ports** associated with the external master communication option. Encoder feedback provides **16 signal periods** per electrical revolution, supporting interpolation for position and speed control. The motor has a **size 041 frame with winding code 42N**, and its

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.

frame length is C. The winding determines the electrical characteristics used by the drive to regulate torque across the operating range. The actuator uses design version 1 hardware and Series 2 electronics. It does not include additional integrated safety technology, so required safety functions must be provided by the higher-level control system or separate safety equipment.

Specifications

Connection Type:	Hybrid Connector	**Cooling Type:**	Natural convection	**Design Option:**	External master communication Multi-Ethernet
Design Version:	1	**Encoder Interface:**	Hiperface	**Encoder Resolution:**	16 signal periods
Encoder Technology:	Capacitive	**Encoder Turn Type:**	Single-turn	**Holding Brake:**	Electrically Released
Holding Brake Voltage:	DC 24 V	**Master Communication Protocol:**	Multi-Ethernet	**Motor Length:**	C
Motor Size:	041	**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:**	42
Last Verified:	11/09/2026 11:07 AM				

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.