KEB — F5 Combivert Axis Drives

07.F5.M1D-LBTA



In-Stock, Ships Today

- ☑ 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 **07.F5.M1D-LBTA** is an axis drive manufactured by KEB and supplied under the F5 Combivert Axis Drives series. Installed between a controller and a three-phase induction motor, it modulates power so that automated equipment maintains commanded velocity and torque profiles. The drive accepts either AC or DC line power and reconstructs a variable-frequency, three-phase output for packaging machines, material-handling lines, or coordinated gantry systems where precise electrical control replaces mechanical adjustment.

The unit regulates motor flux with **closed-loop field-oriented control for an induction motor**, allowing vector resolution of torque even at low speed. It is designed for **three-phase mains** and operates on a nominal bus of **230 V**, matching common plant distribution networks. Internal IGBTs switch at **4 kHz**, balancing current ripple and thermal loss. Hardware protection issues an overcurrent trip at **240% of the rated output**; this threshold keeps semiconductors within safe operating limits during faults. A factory-installed **braking transistor** directs regenerated energy into an external resistor so deceleration does not raise the DC-link voltage. The control platform supports speed, synchronous-speed, and torque loops. It can also accept either AC or DC input, enabling flexible cabinet designs for rectified or direct-line supplies.

Dynamic overload capacity reaches **200% for several seconds**, providing acceleration torque when heavy loads start from rest. For coordinated axes, the drive offers **electronic gearing** that maps commanded position ratios without mechanical gearboxes, while closed-loop **position control** eliminates drift during dwell periods. Integrated speed control, synchronous-speed coordination, and torque regulation allow the same drive to operate

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.

asynchronous motors in variable-torque or constant-torque applications while maintaining angular accuracy. These operating modes support applications that require controlled acceleration, stable running speed, and repeatable positioning from a single drive platform.

Specifications

Control Type:	Closed loop field-oriented control induction motor	**Electronic Gear:**	Yes	**Input Type:**	AC/DC
Installed Accessories:	Braking transistor	**Motor Type:**	3-Phase Asynchronous	**Oc Trip Current:**	240%
Position Control:	Yes	**Product Series:**	Combivert F5	**Short-time Current:**	200%
Speed Control:	Yes	**Supply Phases:**	3-Phase	**Supply Voltage:**	230 V
Switching Frequency:	4 kHz	**Synchronous Speed Control:**	Yes	**Torque Control:**	Yes
Last Verified:	11/07/2026 7:56 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.