KEB — F5 Combivert Axis Drives

09.F5.C1B-LA0A



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The **09.F5.C1B-LA0A** is an axis drive produced by KEB and supplied within the F5 Combivert Axis Drives series. It converts fixed-frequency mains power into variable output for synchronous or induction motors. The compact unit provides velocity, torque, and position control in automated production lines.

This drive has **2 analog inputs** and an equal number of analog outputs; each channel is processed at a **12-bit analog resolution** to accommodate fine speed or torque references. Eight discrete commands reach the controller through **8 digital inputs**, while two digital outputs report status or alarm flags to upstream devices. All field connections share a single 29-point terminal strip, and four software-assignable I/O points provide additional virtual flags for internal logic. Cycle updates occur with an **I/O scan time of 2 ms**, so commands and feedback stay synchronized with fast motion loops. The housing follows form factor code B and carries an **IP20** enclosure rating, meaning live parts are protected against finger contact when the unit is installed inside a cabinet. Up to eight parameter sets can be stored, allowing different motor types or operating profiles to be recalled without reprogramming. The open-collector outputs can sink a combined current of 50 mA.

A **GTR7 braking chopper** with an integrated braking transistor is installed for dynamic energy dissipation during rapid deceleration. Control electronics draw from a **24 V DC internal supply**, allowing the logic to remain active during mains power interruptions. Two relay outputs are available, each with a **relay contact rating of 30 VDC / 1 A**, for external interlocks or motor contactors. The drive supports PNP and NPN sensor wiring through its **PNP/NPN terminal logic**. The 29 control terminals provide separate connection points for shields, common conductors, and

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reference leads, allowing field wiring to follow electromagnetic compatibility practices.

Specifications

Analog Inputs:	2	**Analog Outputs:**	2	**Analog Resolution:**	12 bit
Braking Chopper:	GTR7	**Control Terminals:**	29	**Digital Inputs:**	8
Digital Outputs:	2	**Enclosure:**	IP20	**Housing Form Factor Code:**	B
I/o Scan Time:	2 ms	**Installed Accessories:**	Braking transistor	**Internal Supply:**	24 V DC
Open Collector Total:	50 mA	**Parameter Sets:**	8	**Product Series:**	Combivert F5
Relay Contact Rating:	30 VDC / 1 A	**Relay Outputs:**	2	**Software I/o:**	4
Terminal Logic:	PNP/NPN	**Last Verified:**	11/07/2026 4:14 AM		

Contact Us

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