

KEB — F0 Combivert Control Cabinets

09.F0.R01-3429 **In-Stock, Ships Today**

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The **09.F0.R01-3429** is produced by KEB as part of the F0 Combivert Control Cabinets series. It functions as a cabinet-mounted inverter that conditions three-phase mains power for precise motor control in automated machinery. By integrating power electronics, fuses, and low-voltage interfaces in a single enclosure, it simplifies installation where compact variable-speed control is required on production lines, conveyors, or packaging stations. This cabinet accepts a three-phase supply and protects the incoming path with matched mains and intermediate fuses rated at 10 A, while a 0.4 A control fuse protects the low-energy logic path. Under continuous load, the drive section delivers a rated output current of **4.1 A** and a corresponding apparent power of **2.8 kVA**. The drive supports a motor output of up to **1.5 kW**, making it suitable for small induction or synchronous motors used in auxiliary axes. Thermal losses are limited to **65 W**, allowing cabinet air to be managed with basic convection when ambient temperatures remain moderate. Wiring to the terminals must use conductors with a cross-sectional area of at least 1.5 mm². The housing has an **IP20** enclosure rating, which provides protection against finger contact but does not protect against liquids.

The control section provides a stabilized auxiliary rail of **+15 V** at 30 mA and a reference rail of **+10 V** at 6 mA for sensors or potentiometers that provide speed commands. Operation is permitted at elevations up to **3000 m** without output derating, supporting installation in high-altitude facilities. The unit has an overall mass of **3 kg**, so it can be mounted on lightweight panels or added to mobile equipment frames. The coordinated fuse arrangement separates protection for the incoming supply, intermediate circuit, and low-energy control electronics.

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Specifications

Aux Output Current:	30 mA Max	Aux Voltage Output:	+15 V	Control Fuse:	0.4 A
Heat Dissipation:	65 W	Intermediate Fuse:	10 A	Line Phases:	3
Mains Fuse:	10 A	Max Installation Altitude:	3000 m	Max Motor Power:	1.5 kW
Min Wire Cross-section:	1.5 mm ²	Protective System:	IP20	Rated Output Current:	4.1 A
Rated Output Power:	2.8 kVA	Ref Output Current:	6 mA Max	Ref Voltage Output:	+10 V
Weight:	3 kg	Last Verified:	10/22/2026 3:47 AM		

Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

Shipping Options



Payment Methods



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