KEB — F4 Combivert Frequency Inverters

07.F4.81D-3420



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.F4.81D-3420** is a frequency inverter built by KEB for the F4 Combivert Frequency Inverters series. The manufacturer classifies it as a COMBIVERT F4 unit, and it is installed in production lines to regulate the speed of three-phase induction motors using fixed mains supplies, improving process control and energy use. The compact D-size housing allows the drive to fit in tight cabinets, while the integrated braking transistor makes it suitable for axes that require rapid deceleration.

This inverter accepts a three-phase supply in the 400 V class, with a permissible input range of 305 to 500 V. With a nominal input current of **2.8 A**, it delivers a nominal output current of **2.6 A** and an output power of **1.8 kVA**. The design supports motors up to **0.75 kW**, and continuous operation at a 4 kHz carrier frequency keeps acoustic noise low. Internal losses reach only **45 W** under rated load, limiting heat inside the panel. Fieldbus communication is provided as standard for simple wiring, the line terminals accept 1.5 mm² conductors, and the mains fuse rating should not exceed 10 A. The three inverter phases share a voltage-dependent braking path that can direct up to 5 A into an external resistor rated at no less than 160 ? or into the typical 680 ? element.

Short-term dynamic loads are supported by a 4.6 A surge rating, and an overcurrent trip activates at 5.7 A to protect the power stage. The maximum braking current is limited to 5 A to prevent resistor overload. The heat sink may reach **85 °C**, while the unit can operate within an ambient temperature range of **-10 to 45 °C**. The required tightening torque for the control terminals is 0.5 Nm. The enclosure has an ingress protection rating of **IP20**, making it suitable for installation in clean electrical rooms. It can operate at a relative humidity of up to **95%** without

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.

condensation.

Specifications

Fieldbus Option:	Standard	**Housing Style:**	Compact D-size	**Integrated Accessories:**	Braking transistor
Line Cross Section:	1.5 mm²	**Mains Connection:**	3-phase	**Mains Phases:**	3
Mains Voltage range:	305...500 V +/-0	**Max Braking Current:**	5 A	**Max Heat Sink Temp:**	85 °C
Max Mains Fuse:	10 A	**Max Rated Motor Power:**	0.75 kW	**Max Short-time Current:**	4.6 A
Max. rated motor power:	0.75 kW	**Min Braking Resistor:**	160 ?	**Nominal Input Current:**	2.8 A
OC-Tripping Current:	5.7 A	**Operating temperature:**	-10 to 45°C	**Output Nominal Current:**	2.6 A
Output Nominal Power:	1.8 kVA	**Power Loss At Nominal:**	45 W	**Product Type:**	COMBIVERT F4
Protection Rating:	IP20	**Rated Operating Freq:**	4 kHz	**Rated Operating Frequency:**	4 kHz
Relative humidity (without condensation):	95%	**Tightening Torque:**	0.5 Nm	**Typ Braking Resistor:**	680 ?
Voltage Class:	400 V-Class	**Last Verified:**	11/05/2026 9:46 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

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.