KEB — F4 Combivert Frequency Inverters

07.F4.S1D-AM00



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The **07.F4.S1D-AM00** frequency inverter is produced by KEB for the F4 Combivert Frequency Inverters series. Classified by KEB as a COMBIVERT F4 unit, it serves as an adjustable-speed drive that modulates output frequency and voltage to synchronize asynchronous motors with process demands in industrial automation. The device uses the manufacturer's standard control profile, includes an integrated braking transistor, and meets EN 61800-3 EMC requirements, allowing installation in cabinets where conducted and radiated emissions must remain within established limits.

This model is sized for machines that require up to **0.75 kW** of mechanical shaft power. Inside the compact D-style housing, the inverter can deliver **1.8 kVA** of apparent power at a continuous motor current of **2.6 A**. During dynamic deceleration, the onboard transistor directs up to **5 A** into an external brake resistor with a minimum resistance of 160 ?, preventing DC-link overvoltage. The PWM stage operates at a switching frequency of **4 kHz**, balancing acoustic noise with semiconductor losses. Power enters through terminals that accept 1.5 mm² conductors, and each clamp is tightened to 0.5 Nm so that line impedance stays consistent under vibration.

Branch-circuit protection uses a maximum fuse rating of **10 A**, and converter heat dissipation is limited to **45 W** during full-load operation, easing enclosure cooling. The unit has an ingress protection rating of **IP20**, so it must be mounted in a clean control panel but does not require additional gasketing. The stated operating characteristics remain valid from **-10 to 45 °C**. Operation is permitted at up to 95 percent relative humidity when condensation is prevented. Adequate panel ventilation is required to remove the generated heat and maintain the permitted

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operating temperature during continuous use.

Specifications

Braking Transistor:	Included	**Control Mode:**	Standard	**Control Type:**	Standard
Emc Standard:	EN 61800-3	**Fieldbus Option:**	Standard	**Housing Style:**	Compact D-size
Housing type:	D	**Integrated Accessories:**	Braking transistor	**Line Cross-section:**	1.5 mm²
Max Braking Current:	5 A	**Max Fuse:**	10 A	**Max. rated motor power:**	0.75 kW
Min Brake Resistor:	160 ?	**Motor Power:**	0.75 kW	**Operating temperature:**	-10 to 45°C
Output Current:	2.6 A	**Output Power:**	1.8 kVA	**Power Loss:**	45 W
Product Type:	COMBIVERT F4	**Protection Class:**	IP20	**Protection Rating:**	IP20
Relative humidity (without condensation):	95%	**Switching Frequency:**	4 kHz	**Terminal Torque:**	0.5 Nm
Last Verified:	11/07/2026 6:04 AM				

Contact Us

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