

KEB — Combiline EMC Filters

07.U5.B0B-1010 **In-Stock, Ships Today**

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The **07.U5.B0B-1010** is an electromagnetic interference suppression device produced by KEB for the Combiline EMC Filters series. Installed between a single-phase mains supply and a small inverter or motor, the filter attenuates conducted noise so the downstream drive can meet residential and light-industrial emission limits. Its mechanical outline matches housing code B, allowing it to sit directly beside drives with the same housing code without requiring additional brackets. This arrangement helps conserve mounting space in compact control cabinets while keeping the power connections close to the associated drive.

The filter is designed for **230 V AC** networks and operates on a **single-phase line**, so it integrates with standard European and North American utility feeds. When connected to inverters rated up to **0.75 kW**, it provides **C1** EMC performance suitable for environments that include residential areas. Typical ground leakage current is limited to **3.4 mA**, reducing the likelihood of nuisance trips from residual-current protection devices. Internal components support mains frequencies of 50 or 60 Hz, and the insulation clearances permit continuous operation at line voltages up to 264 V. The terminal blocks accept conductors with a cross-sectional area of 4 mm², providing a suitable connection for the supported current range.

Total thermal dissipation does not exceed **5 W**, so cabinet airflow requirements remain low during continuous operation. The approved motor cable length is **10 m**, which limits capacitive charging current and helps maintain the intended interference attenuation. With a mass of **0.9 kg**, the filter can be mounted on a lightweight DIN rail without additional structural support. Its front face measures **88 mm** wide, while the enclosure is 249 mm high and

40 mm deep. These dimensions permit side-by-side placement next to compact drives or soft starters in control panels with limited space. The narrow enclosure also leaves room for adjacent wiring ducts and helps maintain an orderly path for mains and motor conductors.

Specifications

Compatible Housing:	B	Compatible Power:	0.75 kW	Conductor Size:	4 mm ²
Depth:	40 mm	Emc Class:	C1	Height:	249 mm
Leakage Current:	3.4 mA	Mains Frequency:	50/60 Hz	Max Motor Cable:	10 m
Max Voltage:	264 V	Power Loss:	5 W	Supply Phase:	1-Phase
Supply Voltage:	230 V AC	Weight:	0.9 kg	Width:	88 mm
Last Verified:	10/30/2026 6:14 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

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