

APPLICATION GUIDE

The application of FIN960F is mainly with synchronous electrospindles when it is necessary to insert an inductive load between drive and motor to prevent dangerous high voltage on the motor. This application has a critical point in terms of heating on the core due to the high frequencies in these applications.

Another very important issue comes from the linearity versus frequency and the linearity versus current of the inductive value.

FIN960F series guarantees a very high performance looking at these points, in particular the heating on the core is very low, with maximum level of temperature around 75°C considering an ambient temperature of 40°C.

The material used guarantees a very high level of linearity versus current and frequency.

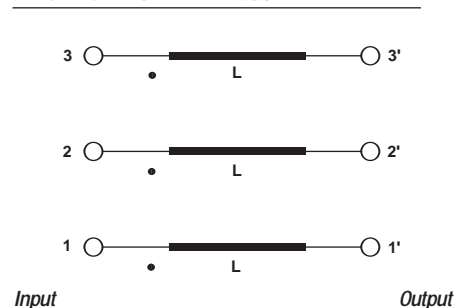
Considering the particularity of the product it is normal to design and develop considering a specific problem and evaluating custom solutions considering motor characteristic and working cycle.

ELECTRIC CHARACTERISTICS

Nominal Voltage	250/750 V _{AC}
Nominal Frequency	1 kHz
Ripple Frequency	< 20 kHz

FIN 960F	Nominal current at 40° (A)	L (μH)	Power loss (W)
.080.M02	3x80	200	50
.130.M03	3x130	300	120
.130.M08	3x130	800	260

ELECTRIC DIAGRAM FIN 960



MECHANICAL DIMENSIONS (mm)

FIN 960F	A	B	C	D	E (ø)	F	G	H	Weight Kg
.080.M02	400	370	170	230	12	275	365	290	40
.130.M03	540	500	200	260	12	360	450	320	70
.130.M08	540	500	200	260	12	360	450	320	110

CASE

