

Single Phase Filters

Industrial environments

F.LL.E2 series – AN type

High performance, general applications

These single phase filters combine high values of inductance and capacitance, maximising attenuation characteristics in the lower frequencies for both common mode and differential mode performance. The relatively small package size of these products makes them suitable for a wide range of motor drive applications within the industrial environment.

- Current ratings from 8A to 63A
- High attenuation performance
- Optional termination styles
- Compact range of enclosures

Mechanical specifications

Manufacture:	metal enclosure, internal components sealed with self-extinguishing resin.
Connections:	terminal blocks to accept 4mm ² cable
(8-20Amp)	earth: M6 threaded terminal.
Connections:	terminal blocks to accept 10mm ² cable
(30-63Amp)	earth: M6 threaded terminal.
Connections:	faston 6.3 x 0.8mm (≤16A) replace 'R1' at the end of
(optional)	code with 'B4'

Electrical specifications

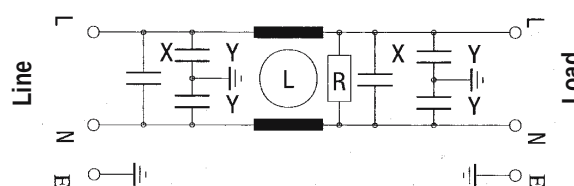
Rated voltage (V _R):	250Vac 50/60Hz
Rated current (I _R):	referred to room temperature = 40°C
Leakage current (I _L):	at 230Vac, 50Hz, max value
Voltage test (2s):	line to ground 2700Vdc
	line to line 1700Vdc
Climatic category:	HPF (25/085/21);
	temperature range: -25°C to +85°C

Filter range

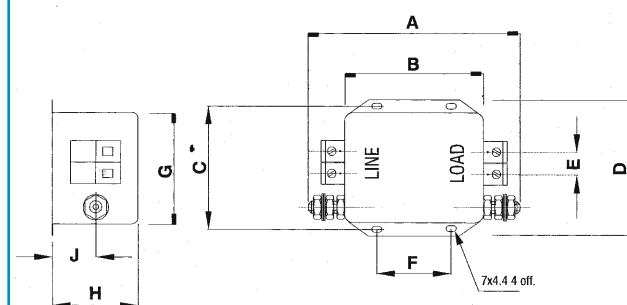
Code	I _R (A)	I _L (mA)	C _x (μF)	C _y (nF)	L (mH)
F.LL.E2.008A.AN.RI	8	2x5.2	2.2 + 0.68	2x10 + 2x47	2x10
F.LL.E2.012A.AN.RI	12	2x5.2	2.2 + 1	2x10 + 2x47	2x7.5
F.LL.E2.016A.AN.RI	16	2x5.2	2.2 + 1	2x10 + 2x47	2x5
F.LL.E2.020A.AN.RI	20	2x5.2	2.2 + 1	2x10 + 2x47	2x3.2
F.LL.E2.030A.AN.RI	30	2x5.6	2.2 + 1	2x15 + 2x47	2x1.3
F.LL.E2.036A.AN.RI	36	2x5.6	2.2 + 1	2x15 + 2x47	2x1.3
F.LL.E2.055A.AN.RI	55	2x11.5	4.4 + 1	2x33 + 2x94	2x1
F.LL.E2.063A.AN.RI	63	2x11.5	4.4 + 1	2x33 + 2x94	2x1



Circuit diagram



Dimensions (mm) and connections



Dimensions

Code	A	B	C	D	E	F	G	H	J
F.LL.E2.008A.AN.RI	131	99	95	105	10	51	85	40	16
F.LL.E2.012A.AN.RI	131	99	95	105	10	51	85	40	16
F.LL.E2.016A.AN.RI	131	99	95	105	10	51	85	40	16
F.LL.E2.020A.AN.RI	131	99	95	105	10	51	85	40	16
F.LL.E2.030A.AN.RI	148	99	95	105	10	51	85	57	19
F.LL.E2.036A.AN.RI	148	99	95	105	10	51	85	57	19
F.LL.E2.055A.AN.RI	219	170	113	129	10	115	100	60	20
F.LL.E2.063A.AN.RI	219	170	113	129	10	115	100	60	17

Approvals Made in accordance to VDE, UL and CSA requirements

Single Phase Filters

Industrial environments

F.LL.E2 series – **AN** type

Insertion loss (Typical)

--- Symmetrical (line to line) — Asymmetrical (line to ground)

