

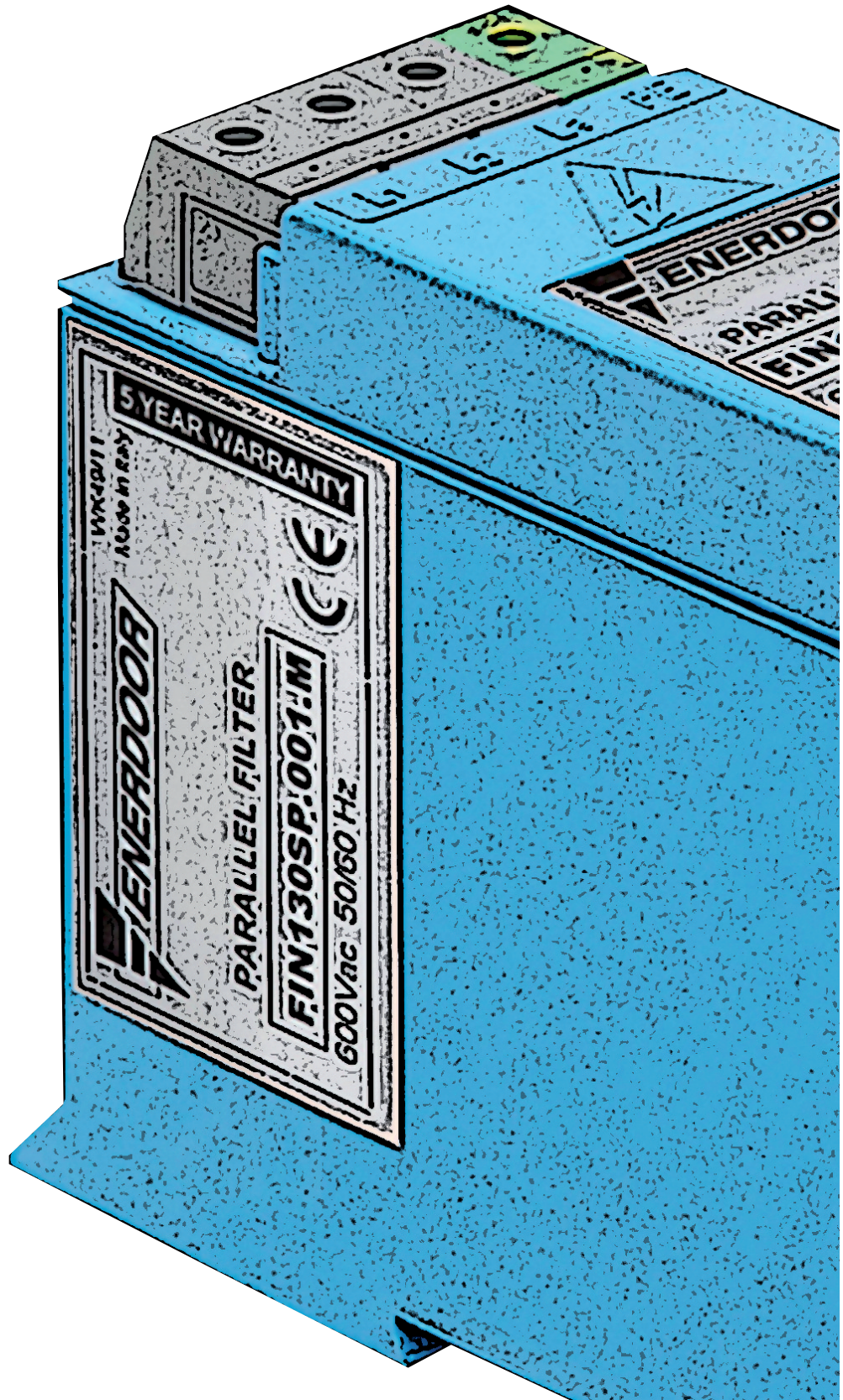
Enerdoor three phase parallel filters provide protection from variable frequency drives, SCRs, controllers, and other high commutation electrical equipment. This line provides high attenuation in the frequency range of 10 KHz to 5 MHz offering a solution for applications with low to medium frequency concerns. When used in conjunction with other Enerdoor series, this combination ensures EMI/RFI protection for equipment in any environment.

This series offers a unique solution available with nominal voltage up to 750 Vac and any current level due to the parallel connection to the line. Offered in 3 phase and 3 phase plus neutral this line carries CE and UL approvals.

The FIN730 and FIN740 filters reduce EMI interference in the 30 kHz to 10 MHz frequency range. The FIN230 filter has a resonance frequency of 150 kHz and provides a significant interference reduction in the frequency range of 50 kHz to 5 MHz. This series features panel and DIN rail mounting for fast and easy installation.

**Parallel filter applications include:**

- CNC machines
- Recharging stations
- Multiple drive applications
- Renewable energy
- SCR applications





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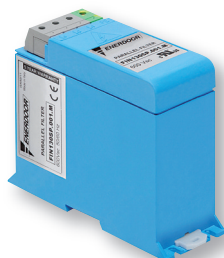
## EMI/RFI Parallel filter with excellent attenuation in low frequency range

### APPROVALS:

c **UL** **US**  
E215863

UL1283  
CSA C22.2

**RoHS**



**FIN130SP.001.M**



**FIN230SP.001.M**



**FIN735.001.M**

### FEATURES

- Independent from nominal current
- Low leakage current
- DIN rail or panel mounting
- Excellent attenuation in low frequency range

### BENEFITS

- 5 Year warranty
- High differential and common mode attenuation
- Compact design
- Easy installation

### MARKETS

- CNC machines
- Recharging stations
- Multiple drive applications
- Renewable energy

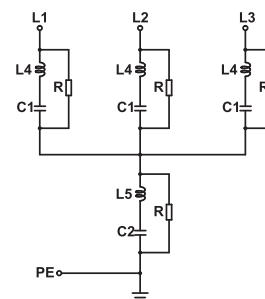
### ORDERING CODE

FIN 230SP .001 .M  
Model Connection  
M = Terminal Blocks

### ATTENUATION INDICATOR

High	Very High	Excellent

### ELECTRIC DIAGRAM



### TECHNICAL SPECIFICATIONS

Nominal voltage	See Electrical Characteristics
Frequency	50 – 60 Hz
Rated current	Unlimited
Potential test voltage phase to phase	2400 Vdc (2 sec.)
Potential test voltage phase to ground	3200 Vdc (2 sec.)
Leakage current normal conditions	< 25 mA *
Leakage current worst conditions	< 70 mA
IP Protection	IP20
Climatic class	-40 / +85° C
MTBF at 40°C	250.000 Hrs

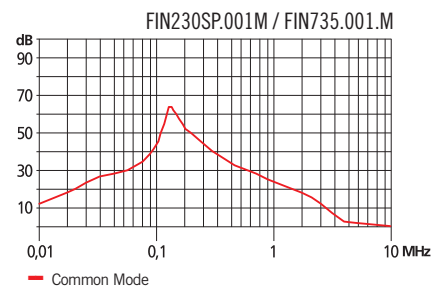
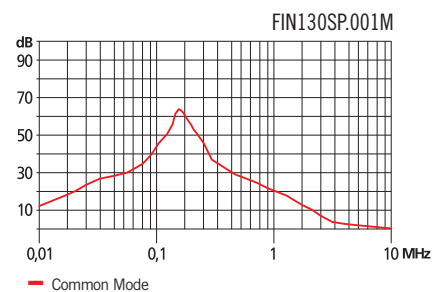
\* Voltage 230 Vac phase to ground 50H / 40°C

**ELECTRICAL CHARACTERISTICS**

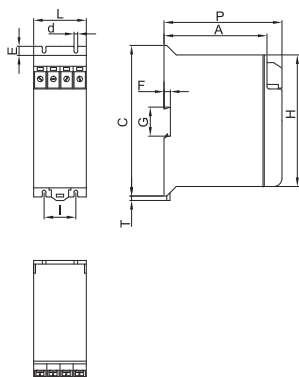
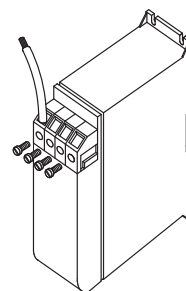
Model	Nominal Voltage AC (Vac)	Nominal Voltage DC (Vdc)	Power Loss (W)
<b>FIN130SP.001.M</b>	600	1000	10
<b>FIN230SP.001.M</b>	600	1000	10
<b>FIN735.001.M</b>	650	1100	10

**CONNECTIONS**

LINE			PE
Solid Cable (mm <sup>2</sup> )	Stranded Cable (mm <sup>2</sup> )	Terminal Block Torque (Nm)	Torque (Nm)
1 - 4	1 - 4	1.8	1.8
1 - 4	1 - 4	1.8	1.8
1 - 4	1 - 4	1.8	1.8

**TYPICAL ATTENUATION**

**MECHANICAL DIMENSIONS mm**

Model	L	d	E	I	P	A	C	T	G	F	H	Weight Kg.	Case
<b>FIN130SP.001.M</b>	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1
<b>FIN230SP.001.M</b>	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1
<b>FIN735.001.M</b>	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1

**CASE 1**

**ASSEMBLY CONNECTION "M"**




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## EMI/RFI Parallel filter with excellent attenuation in low frequency range

### APPROVALS:



UL1283  
CSA C22.2



**FIN730.001.M (C - LCP)**

### FEATURES

- Independent from nominal current
- Low leakage current
- DIN rail or panel mounting
- Excellent attenuation in low frequency range

### BENEFITS

- 5 Year warranty
- High differential and common mode attenuation
- Compact design
- Easy installation

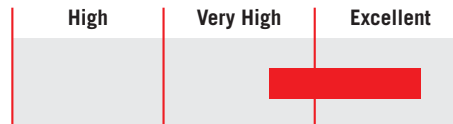
### MARKETS

- CNC machines
- Recharging stations
- Multiple drive applications
- Renewable energy

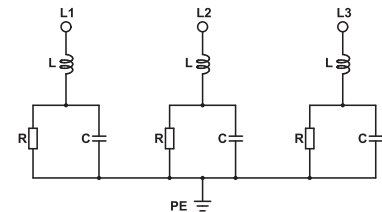
### ORDERING CODE

FIN 730.001. .M  
Model Nominal voltage  
M = 750Vac  
MC = 600Vac  
MLCP = 480Vac

### ATTENUATION INDICATOR



### ELECTRIC DIAGRAM



### TECHNICAL SPECIFICATIONS

Nominal voltage	See Electrical Characteristics
Frequency	50 – 60 Hz
Rated current	Unlimited
Potential test voltage phase to phase	2400 Vdc (2 sec.)
Potential test voltage phase to ground	3200 Vdc (2 sec.)
Leakage current normal conditions	< 25 mA *
Leakage current worst conditions	< 70 mA
IP Protection	IP20
Climatic class	-40 / +85° C
MTBF at 40°C	250.000 Hrs

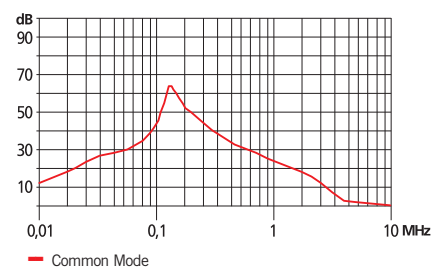
\* Voltage 230 Vac phase to ground 50 Hz / 40°C

**ELECTRICAL CHARACTERISTICS**

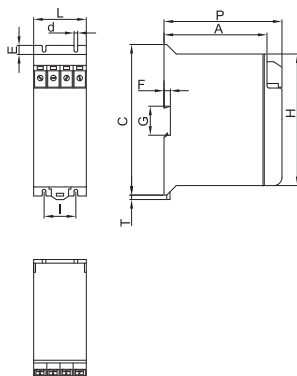
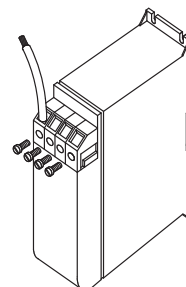
Model	Nominal Voltage AC (Vac)	Nominal Voltage DC (Vdc)	Power Loss (W)
FIN730.001.M	750	1200	10
FIN730.002.MC	600	1000	10
FIN730.001.MLCP	480	800	10

**CONNECTIONS**

LINE			PE
Solid Cable (mm <sup>2</sup> )	Stranded Cable (mm <sup>2</sup> )	Terminal Block Torque (Nm)	Torque (Nm)
1 - 4	1 - 4	1.8	1.8
1 - 4	1 - 4	1.8	1.8
1 - 4	1 - 4	1.8	1.8

**TYPICAL ATTENUATION**

**MECHANICAL DIMENSIONS mm**

Model	L	d	E	I	P	A	C	T	G	F	H	Weight Kg.	Case
FIN730.001.M	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1
FIN730.002.MC	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1
FIN730.001.MLCP	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1

**CASE 1**

**ASSEMBLY CONNECTION "M"**






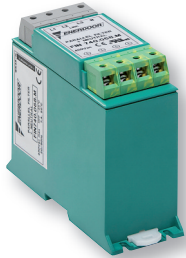
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## EMI/RFI Parallel filter with excellent attenuation in low frequency range

### APPROVALS:

UL1283  
CSA C22.2  
E215863

RoHS



**FIN740.068.M**

### FEATURES

- Independent from nominal current
- Low leakage current
- DIN rail or panel mounting
- Excellent attenuation in low frequency range

### BENEFITS

- 5 Year warranty
- High differential and common mode attenuation
- Compact design
- 3-phase plus neutral application

### MARKETS

- CNC machines
- Recharging stations
- Multiple drive applications
- Renewable energy

### ORDERING CODE

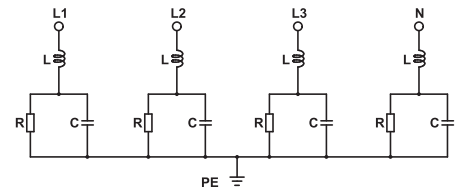
FIN740 .068 .M

Model Connection  
M = Terminal block

### ATTENUATION INDICATOR



### ELECTRIC DIAGRAM



### TECHNICAL SPECIFICATIONS

Nominal voltage	0 / 600 Vac
Frequency	50 – 60 Hz
Rated current	Unlimited
Potential test voltage phase to phase	2200 Vdc (2 sec.)
Potential test voltage phase to ground	2900 Vdc (2 sec.)
Leakage current normal conditions	<20 mA*
Leakage current worst conditions	<60 mA
IP Protection	IP20
Climatic class	-40 / +85° C
MTBF at 40°C	250.000 Hrs

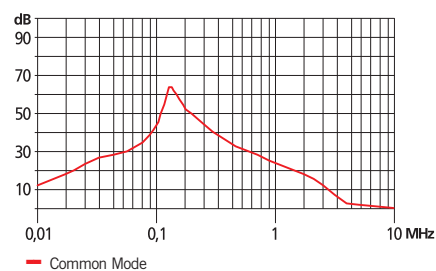
\* Voltage 230 Vac phase to ground 50 Hz / 40°C

**ELECTRICAL CHARACTERISTICS**

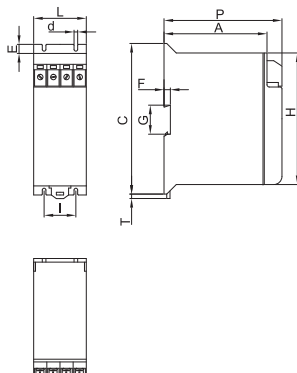
Model	Nominal Voltage AC (Vac)	Nominal Voltage DC (Vdc)	Power Loss (W)
FIN740.068.M	480	800	10

**CONNECTIONS**

LINE			PE
Solid Cable (mm <sup>2</sup> )	Stranded Cable (mm <sup>2</sup> )	Terminal Block Torque (Nm)	Torque (Nm)
1 - 4	1 - 4	1.8	1.8

**TYPICAL ATTENUATION**

**MECHANICAL DIMENSIONS mm**

Model	L	d	E	I	P	A	C	T	G	F	H	Weight Kg.	Case
FIN740.068.M	59	4.5	10	35	130	112	166	4	37.5	7	146	1.15	1

**CASE 1**

**ASSEMBLY CONNECTION "M"**
