



## EMI/RFI Filter with high attenuation for industrial applications

Datasheet 3/2017



**FIN538.(005 - 030).M**

### APPROVALS:



### FEATURES

- Rated current from 5 to 30A
- High differential and common mode attenuation
- Low leakage current
- DIN rail mounting

### BENEFITS

- 5 Year warranty
- Easy installation
- Very compact design
- Helps pass immunity and emission tests IEC61000-6-2 and IEC61000-6-4

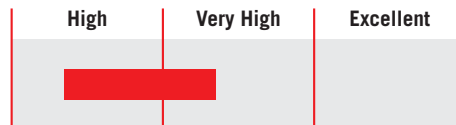
### MARKETS

- Conveyors
- Testing equipment
- High tech machinery
- Automated machinery

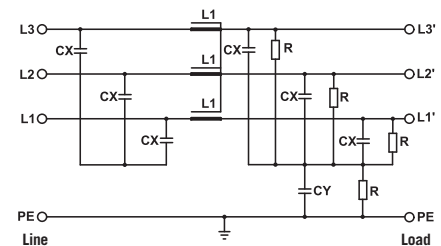
### ORDERING CODE

FIN538 .016 .M  
 Model Current (A) Connection  
 M = Terminal block

### ATTENUATION INDICATOR



### ELECTRIC DIAGRAM



### TECHNICAL SPECIFICATIONS

Nominal voltage	0 / 480 Vac
Frequency	50 – 60 Hz
Rated current	5 to 30A
Potential test voltage phase to phase	2200 Vdc (2 sec.)
Potential test voltage phase to ground	2900 Vdc (2 sec.)
Leakage current normal conditions	< 10 mA *
Leakage current worst conditions	< 80 mA
IP Protection	IP20
Overload capability	4 x Rated current (Switch ON) 2 x In 10 seconds 1.5 In for 10 minutes
Climatic class	-40 / +85° C
MTBF at 40°C	250.000 Hrs

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

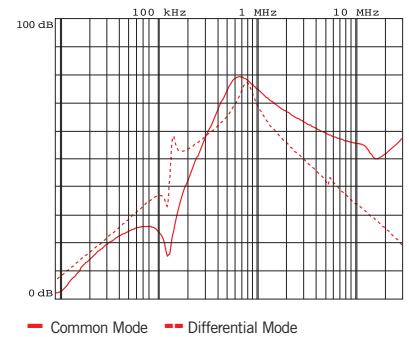
### ELECTRICAL CHARACTERISTICS

FIN538	Rated Current 40°C	Rated Current 50°C	Power Loss (W)
.005.M	8	6	8
.010.M	14	12	10
.016.M	18	16	12
.025.M	28	25	15
.030.M	35	32	23

### 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
1 - 4	1 - 4	1.8	1.8
1 - 4	1 - 4	1.8	1.8

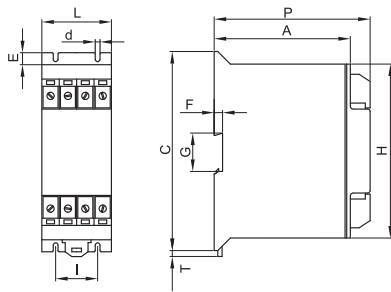
### TYPICAL ATTENUATION



### MECHANICAL DIMENSIONS mm

FIN538	A	E	C	P	F	H	I	L	G	d	T	Weight Kg.	Case
.005.M	112	10	166	130	7	146	35	59	37.5	4.5	4	1.15	1
.010.M	112	10	166	130	7	146	35	59	37.5	4.5	4	1.15	1
.016.M	112	10	166	130	7	146	35	59	37.5	4.5	4	1.15	1
.025.M	112	10	166	130	7	146	35	59	37.5	4.5	4	1.15	1
.030.M	112	10	166	130	7	146	35	59	37.5	4.5	4	1.15	1

### CASE 1



### ASSEMBLY CONNECTION "M"

