



Passive harmonic filter with very high attenuation of current harmonic distortion and overvoltage spikes

Datasheet 3/2017

APPROVALS:

FINHRM.(016 - 200).M
FEATURES

- Rated current from 16 to 200A
- THDI reduction <15%

BENEFITS

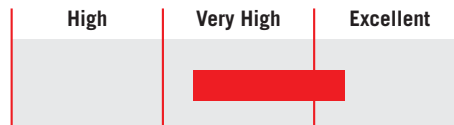
- 2 Year warranty
- Safety terminal block connectors
- Improves harmonics and flickers

MARKETS

- Variable frequency drives
- Woodworking machinery
- Packaging equipment
- Printing machinery

ORDERING CODE

FINHRM	.016	.M	010
Model	Current (A)	Connection	
		M = Terminal block	

ATTENUATION INDICATOR

TECHNICAL SPECIFICATIONS

Nominal voltage	400 / 480 Vac (600Vac upon request)
Frequency	50 – 60 Hz
Rated current	16 to 200A
Potential test voltage phase to phase	2400 Vdc (2 sec.)
Potential test voltage phase to ground	3200 Vdc (2 sec.)
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

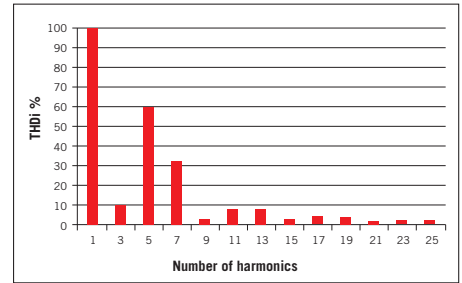
ELECTRICAL CHARACTERISTICS

FINHRM	Rated Power 40°C	Rated Power 50°C	Power Loss (W)
.016.M	8	6	8
.030.M	14	12	10
.050.M	18	16	12
.075.M	28	25	15
.100.M	35	32	23
.150.M	50	42	32
.200.M	63	55	37

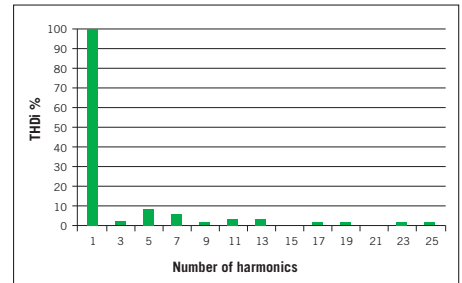
CONNECTIONS

LINE			PE	
Solid Cable (mm ²)	Stranded Cable (mm ²)	Terminal Torque (Nm)	d2 (mm)	Torque (Nm)
0.2 - 10	0.2 - 6	1.2	M6	6
0.2 - 10	0.2 - 6	1.2	M6	6
0.2 - 10	0.2 - 6	1.2	M6	6
4 - 25	6 - 35	4.5	M6	6
10 - 50	10 - 50	4	M6	6
35 - 95	35 - 95	20	M6	6
35 - 95	35 - 95	20	M6	6

TYPICAL MEASUREMENT



Typical measurement without FINHRM

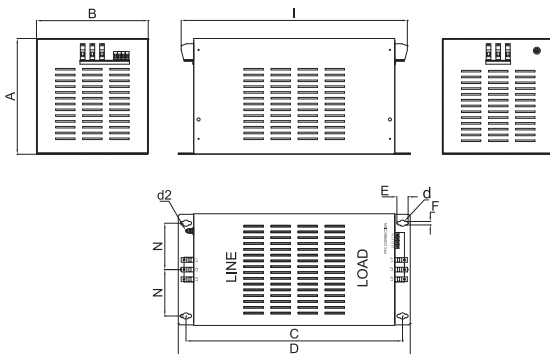


Typical measurement with FINHRM

MECHANICAL DIMENSIONS mm

FINHRM	A	B	C	D	E	F	I	N	d	d2	Weight Kg.	Case
.016.M	300	250	400	440	29	9	396	100	16	M6x20	25	1
.030.M	300	250	400	440	29	9	396	100	16	M6x20	28.2	1
.050.M	300	290	560	600	29	9	585	120	16	M6x20	45.5	1
.075.M	300	290	560	600	29	9	585	120	16	M6x20	65	1
.100.M	320	440	660	700	29	9	706	195	16	M6x20	83	1
.150.M	320	440	660	700	29	9	706	195	16	M6x20	104	1
.200.M	370	500	740	780	29	9	800	225	16	M6x20	140	1

CASE 1



ASSEMBLY CONNECTION "M"

