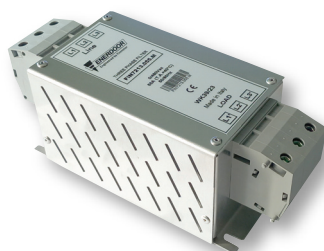




Datasheet 9/2023

EMI/RFI Filter with very high attenuation for industrial applications

APPROVALS:



FIN7213.(12 - 110).M



FIN7213.(150 - 2000).B

FEATURES

- Rated current from 12 to 2000A
- Very high differential and common mode attenuation
- Low leakage current

MARKETS

- Electrical equipment
- Machine tools
- Industrial automation
- Variable frequency drives / servo drives
- Regenerative systems
- Renewable energy

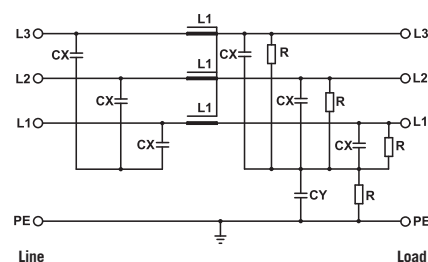
BENEFITS

- 5 Year warranty
- Very compact design
- Finger safe protection available
- Zero volt insulated available

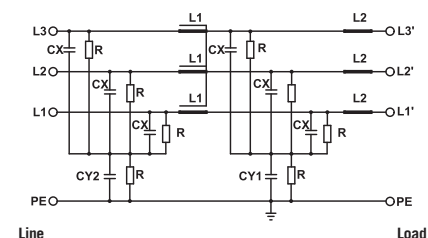
ORDERING CODE

FIN7213	.280	.M	.A (up to 110A)
Model	Current (A)	Connection	Option
		M = Terminal blocks	A=Standard
		B = Bus bar	B=Low leakage current
			C=High saturation

ELECTRIC DIAGRAM 12 - 110A



ELECTRIC DIAGRAM 150 - 2000A



ATTENUATION INDICATOR

High	Very High	Excellent

Models available with current ratings up to 3000A

TECHNICAL SPECIFICATIONS

Nominal voltage	0 - 480 Vac
Frequency	50/60 Hz
Rated current	12 - 2000 A
Potential test voltage phase to phase	2400 Vdc (2 sec.)
Potential test voltage phase to ground	3200 Vdc (2 sec.)
Leakage current normal conditions	<10 mA*, < 3mA option B
Leakage current worst conditions	< 35 mA
IP Protection	IP 20 up to 115A IP 00 over 150A
Overload capability	4 x Rated current (Switch ON) 2 x In 10 seconds 1.5 In for 10 minutes
Climatic class	-40 to +85° C
MTBF at 40°C	250,000 Hours

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

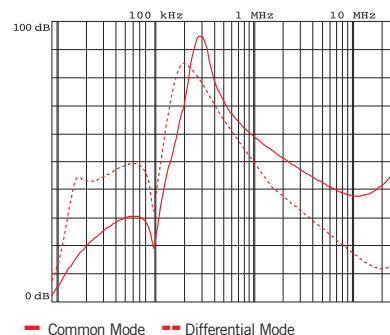
ELECTRICAL CHARACTERISTICS

FIN7213	Rated Current 40°C	Rated Current 50°C	Power Loss (W)
.012.M	12	10	4
.025.M	25	20	10
.040.M	40	35	15
.055.M	55	50	20
.070.M	70	65	25
.090.M	90	80	39
.110.M	110	100	45

CONNECTIONS

LINE			PE	
Solid Cable (mm²)	Stranded Cable (mm²)	Terminal Torque (Nm)	d (mm)	Torque (Nm)
0.5 - 10	0.5-10	1.2	M4	3.5
0.5 - 10	0.5-10	1.2	M4	3.5
0.5 - 10	0.5-10	1.2	M6	6
6 - 16	10 - 35	4	M6	6
6 - 16	10 - 35	4	M6	6
16 - 50	16 - 50	4	M8	12
16 - 50	16 - 50	4	M8	12

TYPICAL ATTENUATION



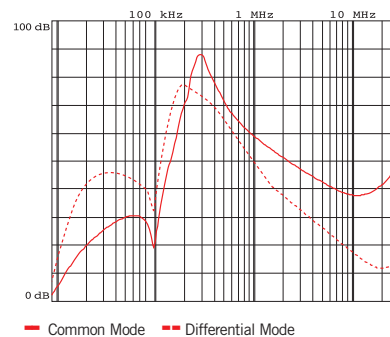
Typical attenuation 12A - 110A

ELECTRICAL CHARACTERISTICS

FIN7213	Rated Current 40°C	Rated Current 50°C	Power Loss (W)
.150.B	150	135	65
.200.B	200	180	70
.280.B	280	250	75
.320.B	320	290	80
.360.B	360	325	95
.400.B	400	360	110
.500.B	500	450	102
.600.B	600	540	95
.750.B	750	675	80
.900.B	900	810	90
.1000.B	1000	900	100
.1250.B	1250	1120	105
.1500.B	1500	1350	110
.1750.B	1750	1500	125
.2000.B	2000	1750	132

CONNECTIONS

LINE		PE	
d (mm)	Torque (Nm)	d1 (mm)	Torque (Nm)
M8	14	M8	14
M8	14	M8	14
M8	14	M8	14
M8	14	M8	14
M8	14	M8	14
M8	14	M8	14
M8	14	M8	14
M10	18	M8	14
M10	18	M8	14
M10	18	M8	14
M10	18	M8	14
M10	18	M8	14
M10	18	M8	14
M10	18	M8	14
M10	18	M8	14

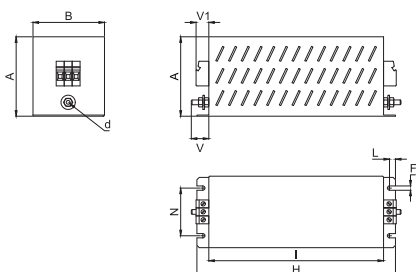


Typical attenuation 150A - 2000A

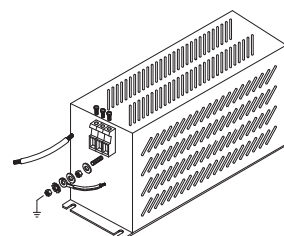
MECHANICAL DIMENSIONS mm

FIN7213	A	B	V	V1	F	H	I	L	N	d	Weight Kg.	Case
.012.M	62	58	19	11.2	4.5	150	120	8.75	42	M4	0.3	1
.025.M	62	58	19	11.2	4.5	150	120	8.75	42	M4	0.4	1
.040.M	68	70	18.5	14.5	5.5	160	130	8.75	50	M6	1.1	1
.055.M	80	85	18.5	38.5	5.5	170	140	8.75	65	M6	1.2	1
.070.M	80	85	18.5	38.5	5.5	170	140	8.75	65	M6	1.3	1
.090.M	90	95	22	43	5.5	200	170	8.75	75	M8	1.6	1
.110.M	90	95	22	43	5.5	230	200	8.75	75	M8	1.8	1

CASE 1



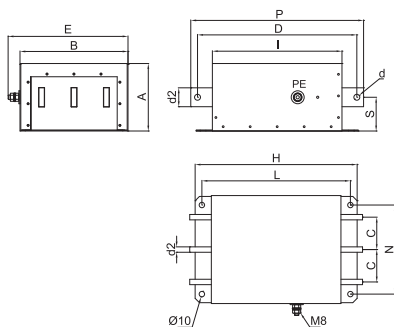
ASSEMBLY CONNECTION "M"



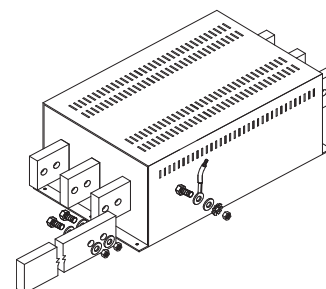
MECHANICAL DIMENSIONS mm

FIN7213	A	B	C	D	E	H	I	L	N	P	S	d	d2	Weight Kg.	Case
.150.B	86	200	60	300	227	300	240	275	165	320	37	9	20x6	5	2
.200.B	86	200	60	300	227	300	240	275	165	320	37	9	20x6	5.1	2
.280.B	86	200	60	300	227	300	240	275	165	320	37	9	20x6	5.2	2
.320.B	86	200	60	300	227	300	240	275	165	320	37	9	20x6	5.2	2
.360.B	86	200	60	300	227	300	240	275	165	320	37	9	20x6	5.3	2
.400.B	86	200	60	300	227	300	240	275	165	320	37	9	20x6	5.3	2
.500.B	125	200	60	295	222	300	240	275	200	320	62.5	11	35x10	8.2	3
.600.B	125	200	60	295	222	300	240	275	200	320	62.5	11	35x10	8.4	3
.750.B	125	200	60	295	222	300	240	275	200	320	62.5	11	35x10	8.5	3

CASE 2, 3



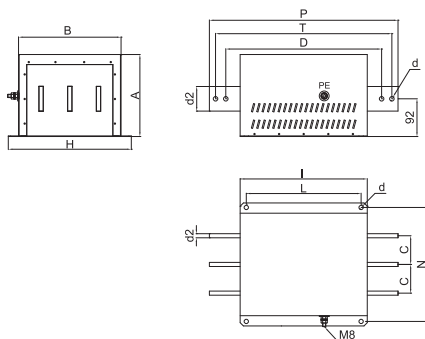
ASSEMBLY CONNECTION "B"



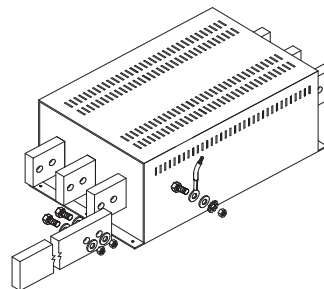
MECHANICAL DIMENSIONS mm

FIN7213	A	B	C	D	H	I	L	N	P	S	T	d	d2	Weight Kg.	Case
.900.B	200	250	70	380	292	310	280	278	460	-	430	10.5	60x10	8.4	4
.1000.B	200	250	70	380	292	310	280	278	460	-	430	10.5	60x10	20.2	5
.1250.B	200	250	70	380	292	310	280	278	460	-	430	10.5	60x10	20.5	5

CASE 4, 5



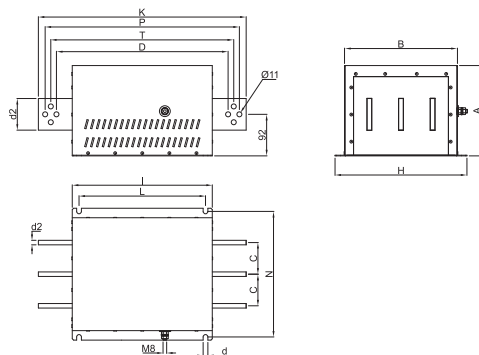
ASSEMBLY CONNECTION "B"



MECHANICAL DIMENSIONS mm

FIN7213	A	B	C	D	H	I	L	N	P	K	T	d	d2	Weight Kg.	Case
.1500.B	200	250	70	380	292	310	280	278	460	430	405	10.5	70x10	22	6
.1750.B	200	250	70	380	292	310	280	278	460	430	405	10.5	80x10	25	6
.2000.B	200	250	70	380	292	310	280	278	460	430	405	10.5	80x10	25	6

CASE 6



ASSEMBLY CONNECTION "B"

