



Datasheet 202605

EMI/RFI Filter with very high attenuation for industrial applications

APPROVALS:



FIN3755.(007 - 180).M



FIN3755.280.B

FEATURES

- Rated current from 7 - 280 A
- Very high differential and common mode attenuation
- Excellent performance and value

BENEFITS

- 5 Year warranty
- Safety terminal block connector
- Extremely compact design

MARKETS

- Variable frequency drives / servo drives
- Automated machinery
- Packaging machinery
- HVAC systems

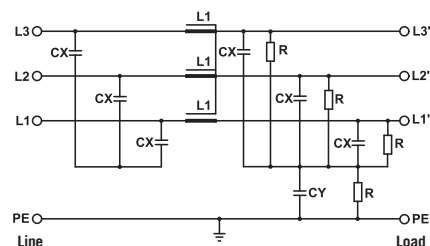
ORDERING CODE

FIN3755 .055 .M
Model Current (A) Connection
M = Terminal block
B = bus bar

ATTENUATION INDICATOR

High	Very High	Excellent

ELECTRIC DIAGRAM



TECHNICAL SPECIFICATIONS

Nominal voltage	0 - 480 Vac
Frequency	50/60 Hz
Rated current	7 - 280 A
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 up to 180A IPO0 over 180A
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 50 Hz / 40°C

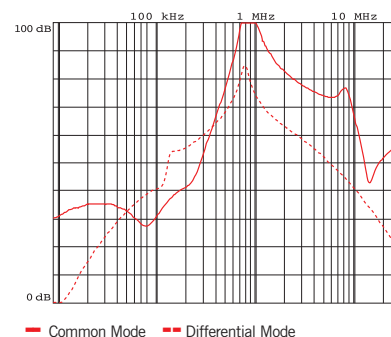
ELECTRICAL CHARACTERISTICS

FIN3755	Rated Current 40°C	Rated Current 50°C	Power Loss (W)
.007.M	7	6	3
.016.M	16	15	4
.030.M	30	28	11
.042.M	42	40	15
.055.M	55	52	19
.075.M	75	73	25
.100.M	100	96	42
.130.M	130	126	48
.150.M	150	145	52
.180.M	180	175	61
.150.B	150	145	35
.200.B	200	195	55
.280.B	280	275	75

CONNECTIONS

LINE			PE	
Solid Cable (mm²)	Stranded Cable (mm²)	Terminal Torque (Nm)	d (mm)	Torque (Nm)
0.5 - 10	0.5 - 10	0.5	M5	4
0.5 - 10	0.5 - 10	0.5	M5	4
0.5 - 10	0.5 - 10	1.2	M6	6
0.5 - 10	0.5 - 10	1.2	M6	6
0.5 - 16	10 - 25	2.2	M6	6
6 - 16	10 - 35	4.5	M6	6
6 - 16	10 - 35	4.5	M10	18
16 - 50	16 - 50	4.5	M10	18
16 - 50	16 - 50	5	M10	18
35 - 95	35 - 95	20	M10	18
-	-	14	M8	14
-	-	14	M8	14
-	-	14	M8	14

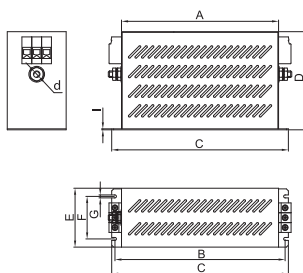
TYPICAL ATTENUATION



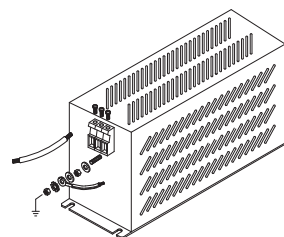
MECHANICAL DIMENSIONS mm

FIN3755	A	B	C	D	E	F	G	d	I	Weight Kg.	Case
.007.M	160	180	190	78	48	20	4	M5	1	1.1	1
.016.M	220	235	250	85	48	25	5	M5	1	1.5	1
.030.M	240	255	270	85	50	30	5	M6	1	2.1	1
.042.M	280	295	310	85	50	30	5	M6	1	2.7	1
.055.M	220	235	250	100	90	60	5	M6	1	3.1	1
.075.M	240	255	270	135	85	60	5	M6	1.5	3.6	1
.100.M	240	255	270	155	90	65	6	M10	1.5	4.2	1
.130.M	300	315	330	156.5	90	65	6	M10	1.5	6	1
.150.M	300	315	330	156.5	90	65	6	M10	1.5	6	1
.180.M	350	365	380	170	125	102	6.5	M10	1.5	7.5	1

CASE 1

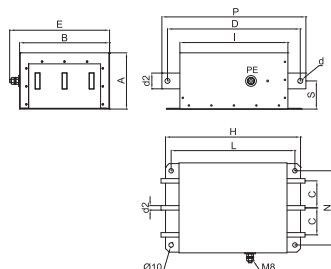


ASSEMBLY CONNECTION "M"



FIN3755	A	B	C	D	E	H	I	L	N	P	S	d	d2	Weight Kg.	Case
.150.B	86	200	60	300	277	300	240	275	165	320	37	9	20x6	4.9	2
.200.B	86	200	60	300	277	300	240	275	165	320	37	9	20x6	5.0	2
.280.B	86	200	60	300	277	300	240	275	165	320	37	9	20x6	5.2	2

CASE 2



ASSEMBLY CONNECTION "B"

