



EMI/RFI Filter with very high attenuation for industrial applications

Datasheet 3/2019

APPROVALS:



FIN539S.(400 - 2500).B

FEATURES

- Rated current from 400 to 2500A
- Very high differential and common mode attenuation
- Low leakage current

BENEFITS

- 5 Year warranty
- Large bus bars allow ambient temperature of 70°C
- Compact design

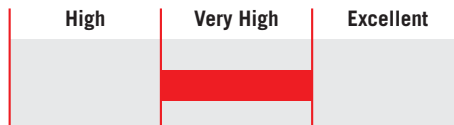
MARKETS

- Renewable energy
- Uninterruptible power supplies
- Packaging machinery
- Process plants

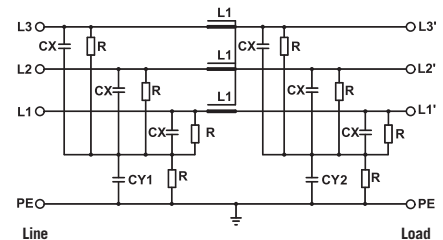
ORDERING CODE

FIN539S .900 .M
 Model Current (A) Connection
 B = Bus bar

ATTENUATION INDICATOR



ELECTRIC DIAGRAM



TECHNICAL SPECIFICATIONS

Nominal voltage	0 / 600 Vac
Frequency	50 – 60 Hz
Rated current	400 to 2500A
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 *
Leakage current worst conditions	< 80 mA
IP Protection	IP00
Overload capability	IP 20 with FINPRT protection (optional) 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

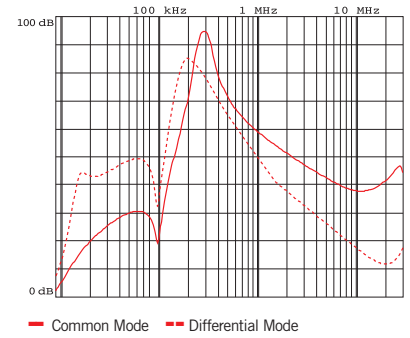
ELECTRICAL CHARACTERISTICS

FIN539S	Rated Current 40°C	Rated Current 50°C	Power Loss (W)
.400.B	420	400	92
.500.B	525	500	102
.600.B	630	600	82
.750.B	790	750	95
.900.B	945	900	105
.1000.B	1050	1000	92
.1250.B	1300	1300	98
.1500.B	1550	1500	108
.1750.B	1800	1750	105
.2000.B	2100	2000	92
.2250.B	2350	2250	98
.2500.B	2650	2500	108

CONNECTIONS

LINE		PE	
d (mm)	Torque (Nm)	d 1 (mm)	Torque (Nm)
M8	14	M10	18
M8	14	M10	18
M8	14	M10	18
M10	25	M10	18
M10	25	M10	18
M12	50	M12	20
M12	50	M12	20
M12	50	M12	20
M12	50	M12	20
M12	50	M12	20
M12	50	M12	20

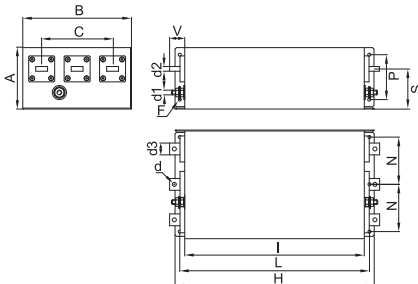
TYPICAL ATTENUATION



MECHANICAL DIMENSIONS mm

FIN539S	A	B	C	d	d1	d2	d3	V	F	H	I	L	N	P	S	Weight Kg.	Case
.400.B	130	230	150	M8	M10	10	25	42	6.5	420	380	400	100	100	85	13.5	1
.500.B	130	230	150	M8	M10	10	25	42	6.5	420	380	400	100	100	85	13.5	1
.600.B	130	230	150	M8	M10	15	30	48	6.5	510	450	480	100	100	85	19	2
.750.B	130	230	150	M10	M10	15	30	48	6.5	510	450	480	100	100	85	19	2
.900.B	130	230	150	M10	M10	15	30	48	6.5	510	450	480	100	100	85	19	2
.1000.B	160	250	140	M12	M12	20	40	94	8.5	510	450	480	100	110	110	27	3
.1250.B	160	250	140	M12	M12	20	40	94	8.5	510	450	480	100	110	110	27	3
.1500.B	160	250	140	M12	M12	20	40	94	8.5	510	450	480	100	110	110	27	3
.1750.B	180	350	200	M12	M12	20	60	97	8.5	610	550	580	150	130	117	32	4
.2000.B	180	350	200	M12	M12	20	60	97	8.5	610	550	580	150	130	117	32	4
.2250.B	180	350	200	M12	M12	20	60	97	8.5	610	550	580	150	130	117	32	4
.2500.B	180	350	200	M12	M12	20	60	97	8.5	610	550	580	150	130	117	32	4

CASE 1, 2, 3, 4



ASSEMBLY CONNECTION "B"

