



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

Datasheet 3/2017



**FIN1900S.(042 – 200).M**

#### FEATURES

- Rated current from 42 to 200A
- Excellent differential and common mode attenuation
- Low leakage current

#### MARKETS

- CNC machinery
- Multiple axis applications
- Recharging stations
- Welding systems

#### APPROVALS:

UL1283  
CSA C22.2  
E215863



**SCCR** by UL508A

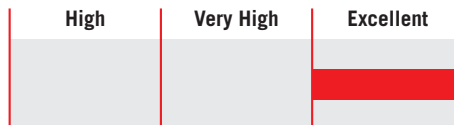
#### BENEFITS

- 5 Year warranty
- Safety terminal block connector
- Helps pass immunity and emission test IEC61000-6-2 and IEC61000-6-4 Standards

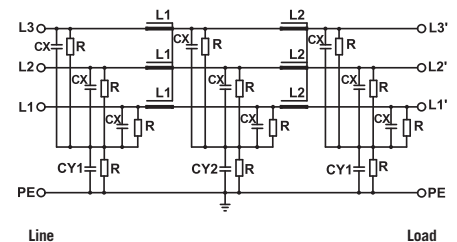
#### ORDERING CODE

FIN1900S .055 .M  
Model Current (A) Connection  
M = Terminal block

#### ATTENUATION INDICATOR



#### ELECTRIC DIAGRAM



#### TECHNICAL SPECIFICATIONS

Nominal voltage	0 / 600 Vac
Frequency	50 – 60 Hz
Rated current	42 to 200A
Potential test voltage phase to phase	2400 Vdc (2 sec.)
Potential test voltage phase to ground	3200 Vdc (2 sec.)
Leakage current normal conditions	< 15 mA *
Leakage current worst conditions	< 150 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

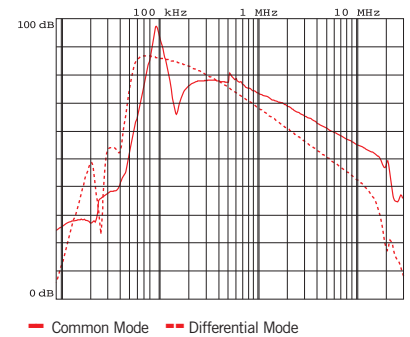
### ELECTRICAL CHARACTERISTICS

FIN1900S	Rated Current 40°C	Rated Current 50°C	Power Loss (W)
.042.M	50	42	32
.055.M	63	55	37
.070.M	80	70	52
.080.M	90	80	60
.100.M	110	100	92
.115.M	130	115	101
.150.M	175	150	115
.200.M	230	200	120

### CONNECTIONS

LINE			PE	
Solid Cable (mm <sup>2</sup> )	Stranded Cable (mm <sup>2</sup> )	Terminal Torque (Nm)	d (mm)	Torque (Nm)
0.5 - 16	0.5 - 10	1.8	M6	6
0.5 - 16	0.5 - 10	1.8	M6	6
4 - 25	6 - 35	4.5	M10	18
4 - 25	6 - 35	4.5	M10	18
10 - 50	10 - 50	4	M10	18
10 - 50	10 - 50	4	M10	18
35 - 95	35 - 95	20	M10	18
35 - 95	35 - 95	20	M10	18

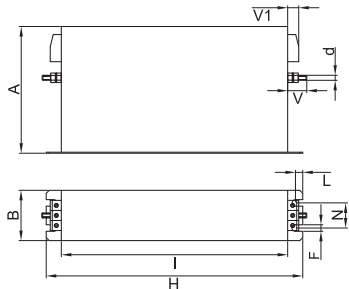
### TYPICAL ATTENUATION



### MECHANICAL DIMENSIONS mm

FIN1900S	A	B	V	V1	F	H	I	L	N	d	Weight Kg.	Case
.042.M	177	70	19	25	6	295	265	8	44	M6	3.4	1
.055.M	177	70	19	33	6	295	265	8	44	M6	3.5	1
.070.M	205	80	28	38	8	390	340	12	53	M10	6	1
.080.M	205	80	28	38	8	390	340	12	53	M10	6	1
.100.M	205	80	28	43	8	390	340	12	53	M10	7.1	1
.115.M	205	80	28	43	8	390	340	12	53	M10	7.1	1
.150.M	220	105	28	50	8	420	370	12	78	M10	8	1
.200.M	220	105	28	50	8	420	370	12	78	M10	8	1

### CASE 1



### ASSEMBLY CONNECTION "M"

