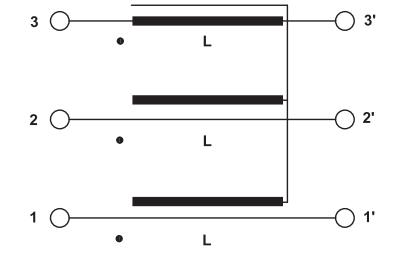
ELECTRIC DIAGRAM FIN 900



Input *Output*

APPLICATION GUIDE

The FIN900 and FIN930 common mode choke series are used to reduce high frequency interference caused by pulse wave modulation of power transistors. Chokes round out the fast voltage rise time and reduce high frequency (radio frequency) electromagnetic interference radiated into the environment without appreciable line voltage drops.

Chokes are usually connected between the inverter, or the controller, and the motor. It is recommended to run a shielded cable between the choke and the motor with the shield connected to ground at both ends. This configuration combines the effect of the inductance of the coil and the distributed capacity of the cable shield.

An advantage to using a choke installed between the controller and the motor is the reduction of conducted interference emitted from the device towards the main and characterized by frequencies between 1 and 3 MHz.

Enerdoor common mode choke series is recommended for servo drive applications and variable frequency drives with close loop systems.

ELECTRIC CHARACTERISTICS

Nominal voltage **0/500 VAC - 50/60 Hz**

3-Phase

Cylindrical Case / Cable Output

FIN900	Nominal Current at 40° C (A)	L1 (mH)	R (mΩ)	Pow Loss (W)
.010.1C	10	1.5	12	6
.016.1C	16	1.5	4.5	6
.030.1C	30	1.5	3	6

3-Phase

Metallic Case / Cable Output

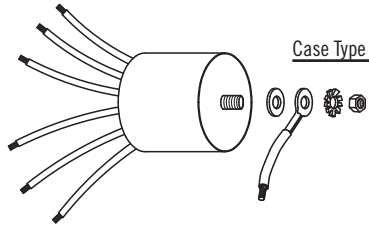
FIN900	Nominal Current at 40° C (A)	L1 (mH)	R (mΩ)	Pow Loss (W)
.010.C	10	1.5	12	6
.016.C	16	1.5	4.5	6
.030.C	30	1.5	3	6

3-Phase

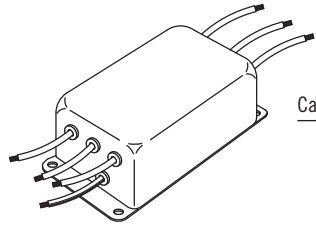
Metallic Case / Screw Output

FIN900	Nominal Current at 40° C (A)	L1 (mH)	R (mΩ)	Pow Loss (W)
.010.V	10	1.5	12	6
.016.V	16	1.5	4.5	10
.030.V	30	1.5	3	15
.050.V	50	1.5	2.6	23
.080.V	80	1.5	1.5	28
.100.V	100	1.5	1	45
.150.V	150	1.2	0.7	75
.200.V	200	1.2	0.4	83
.280.V	280	1.2	0.4	96

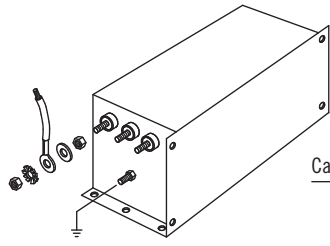
Electric And Mechanical Assembly



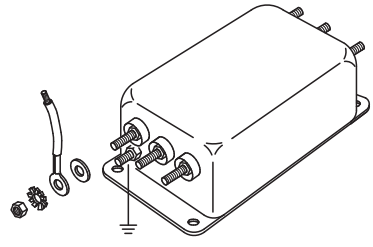
Case Type 1C / 2C



Case Type C



Case Type V



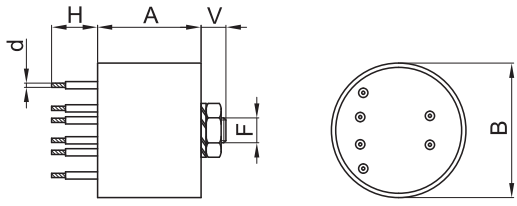
MECHANICAL DIMENSIONS (mm)

CYLINDRICAL CASE

FIN900	A	B(ø)	d(ø)	V	F	H	Weight Kg	Case
.010.1C	60	65	2	12	M12	200	0.5	1C
.016.1C	60	65	2.5	12	M12	200	0.5	1C
.030.1C	60	65	2.5	12	M12	200	0.5	1C

Available in 2C version with cable lengths (H) in 400 or 600 mm

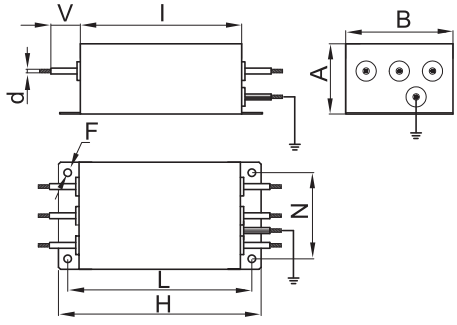
CASE 1C



METALLIC CASE

FIN900	A	B	d(ø)	V	F(ø)	H	I	L	N	Weight Kg	Case
.010.C	42	65	2	200	4.2	120	96	110	51	0.5	C
.016.C	42	65	2.5	200	4.2	120	96	110	51	0.5	C
.030.C	42	65	3	200	4.2	120	96	110	51	0.5	C

CASE C



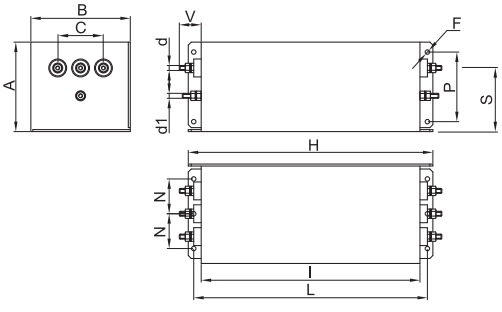
METALLIC CASE

FIN900	A	B	C	V	F	H	I	L	N	P	S	Weight Kg	Case
.010.V	58	86	44	14	4.5	186	160	176	30	40	38	2	1
.016.V	58	86	44	14	4.5	186	160	176	30	40	38	2	1
.030.V	58	86	44	14	4.5	186	160	176	30	40	38	2	1
.050.V	58	86	44	14	4.5	186	160	176	30	40	38	2	1
.080.V	90	100	46	28	4.5	246	220	235	35	70	64	3	3
.100.V	90	185	84	25	6.5	356	320	340	77.5	70	69	5	4
.150.V	90	220	120	29	6.5	356	320	340	95	70	60	7	5
.200.V	90	220	120	29	6.5	356	320	340	95	70	60	7	5

CONNECTION

d (mm)	Line Torque (Nm)	Ground d1(mm)	Ground Torque (Nm)
M4	1.2	M4	1.2
M5	4	M4	1.2
M5	4	M4	1.2
M6	6	M5	4
M6	6	M5	4
M8	14	M8	14
M8	14	M8	14
M10	18	M10	18

CASE 1/2/3



CASE 4/5