



Datasheet 202605

Three-phase plus neutral star point snubber with excellent attenuation to reduce dV/dt

APPROVALS:



FIN47SNB.050.1M

FEATURES

- Reduces dV/dt
- Protects motor windings, insulation and bearings
- Remote contact indicator

BENEFITS

- Very low power loss
- Available with remote electronic control
- Easy installation
- Only one model for unlimited HP motors

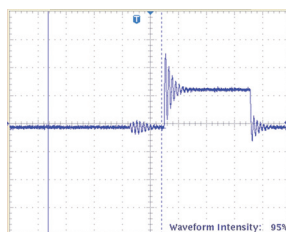
MARKETS

- Large motors
- Spindle motors
- Long cable applications with variable frequency drives or servo drives

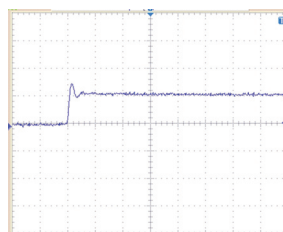
ORDERING CODE

Model	Impedance	Connection	Fan nominal voltage	Electronic control or HV version	Flange mounting
FIN47SNB .050	.1M				
		1M = 1 motor	A = 24Vdc B = 24Vac	MSD1 at 24Vdc	
		2M = 2 motors	C = 110Vac D = 220Vac	MSD2 at 230Vac HV 690Vac	

TYPICAL MEASUREMENT

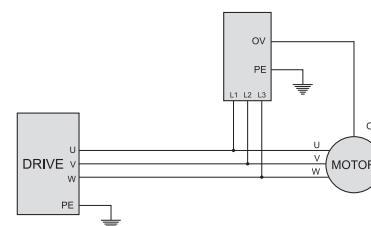


Typical measurement of dV/dt without snubber installed



Typical measurement of dV/dt with snubber installed

ELECTRIC DIAGRAM



TECHNICAL SPECIFICATIONS

Nominal voltage	0 - 600 Vac
Frequency	50 - 1000 Hz
Rated current	Unlimited
Carrier frequency (PWM)	Not applicable
Max peak voltage phase to phase	3000V
Max peak voltage phase to ground	3500V
Max power dissipation	250W
Fan dissipation	20W
IP protection	IP20
Climatic class	-40 to 85°C
MTBF at 40°C	250,000 Hours

ELECTRICAL CHARACTERISTICS

FIN47SNB	Nominal Voltage AC (Vac)	Drive Carrier Frequency (kHz)	Power Loss at 100Hz (W)
.050.1M	600	<5	250

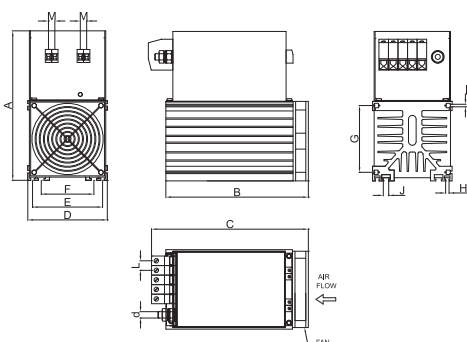
CONNECTIONS

LINE			PE	
Solid Cable (mm ²)	Stranded Cable (mm ²)	Terminal Torque (Nm)	d (mm)	Torque (Nm)
10 - 50	10 - 50	4.0	M10	6

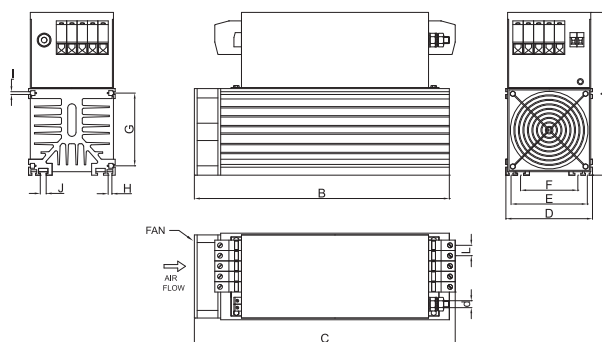
MECHANICAL DIMENSIONS mm

FIN47SNB	A	B	C	D	E	F	G	H	I	J	M	L	d	Weight Kg.	Case
.050.1M.X.Y	235	224	252	125	110	83	125	8.5	4	13.5	10	15	M10	5	1
.050.2M.X.Y	235	368	376.5	125	110	83	105	5.4	4	8.5	-	15	M10	10	2
.050.1M.X.Y.F	235	224	252	155	145	150	-	6	-	-	10	15	M10	5	3
.050.2M.X.Y.F	235	368	376.5	155	145	140	-	6	-	-	-	15	M10	10	4

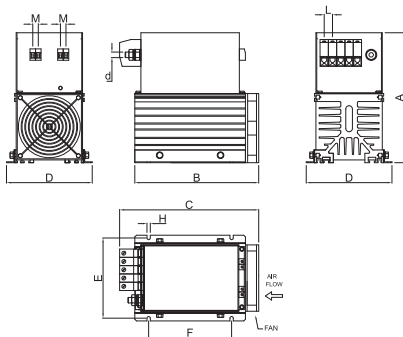
CASE 1



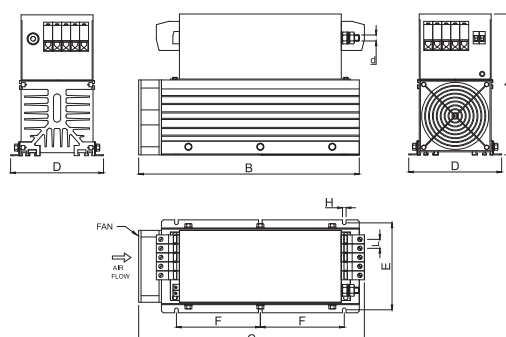
CASE 2



CASE 3



CASE 4



FIN47SNB	A	B	C	D	E	F	G	H	I	J	M	L	d	Weight Kg.	Case
.050.1M.X.Y.MDSX	235	368	368	155	145	140	-	6	-	-	-	15	M10	7	1
.050.1M.X.Y.HV	235	368	368	155	145	140	-	6	-	-	-	15	M10	7	1

CASE 1

