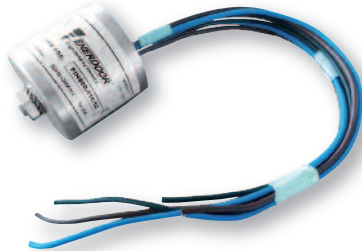




Common mode choke with high attenuation for reducing dV/dt and high frequency

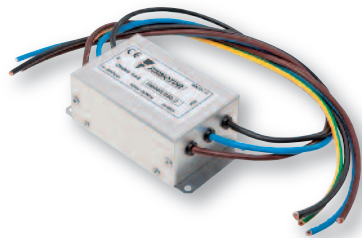
Datasheet 3/2019

APPROVALS:

FIN900.(010 - 030).1C
FEATURES

- 5 Year warranty
- Protects against voltage spikes on the motor
- Compact design

BENEFITS

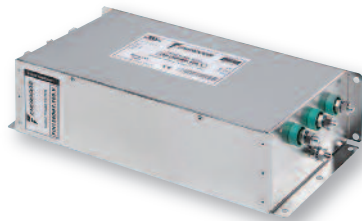
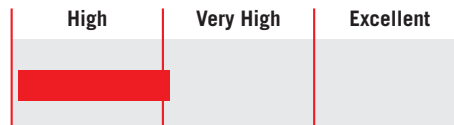
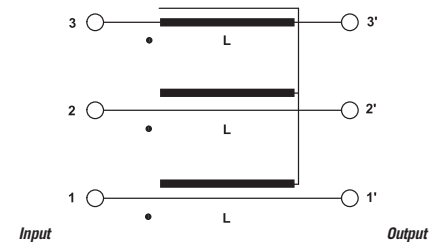
- Rated current from 10 to 280A
- Reduces voltage rise and high frequency noise
- Helps pass emission tests for the IEC61000-6-4 Standards


FIN900.(010 - 030).C
MARKETS

- Motors controlled by drives
- Automated machinery
- Conveyors
- Pumps

ORDERING CODE

| | | |
|--------|-------------|-------------------|
| FIN900 | .016 | .1C |
| Model | Current (A) | Connection |
| | | 1 C = cable 200mm |
| | | 2 C = cable 400mm |
| | | C = cable |
| | | V = screws |


FIN900.(010 - 280).V
ATTENUATION INDICATOR

ELECTRIC DIAGRAM

TECHNICAL SPECIFICATIONS

| | |
|--|---|
| Nominal voltage | 0 / 600 Vac |
| Output frequency | 50 - 3500 Hz |
| Rated current | 10 to 280A |
| Carrier frequency (PWM) | 0 - 16 kHz |
| Potential test voltage phase to phase | 1750 Vdc (2 sec.) |
| Potential test voltage phase to ground | 2150 Vdc (2 sec.) |
| 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 |

ELECTRICAL CHARACTERISTICS

| FIN900 | Rated Current 40°C | Rated Current 50°C | Power Loss (W) |
|---------|--------------------|--------------------|----------------|
| .010.1C | 10 | 9 | 6 |
| .016.1C | 16 | 14 | 6 |
| .030.1C | 30 | 26 | 6 |

| FIN900 | Rated Current 40°C | Rated Current 50°C | Power Loss (W) |
|--------|--------------------|--------------------|----------------|
| .010.C | 10 | 9 | 6 |
| .016.C | 16 | 14 | 6 |
| .030.C | 30 | 26 | 6 |

| FIN900 | Rated Current 40°C | Rated Current 50°C | Power Loss (W) |
|--------|--------------------|--------------------|----------------|
| .010.V | 10 | 9 | 6 |
| .016.V | 16 | 14 | 10 |
| .030.V | 30 | 26 | 15 |
| .050.V | 50 | 45 | 23 |
| .080.V | 80 | 72 | 28 |
| .100.V | 100 | 90 | 45 |
| .150.V | 150 | 135 | 75 |
| .200.V | 200 | 180 | 83 |
| .280.V | 280 | 252 | 96 |

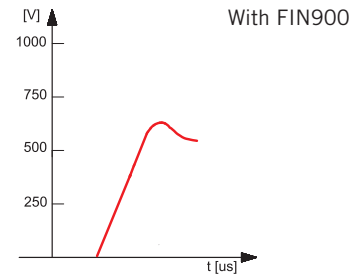
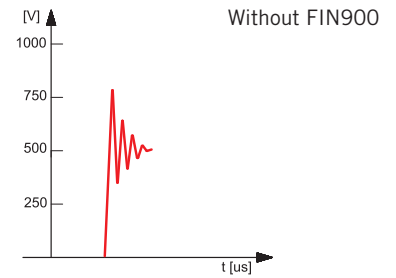
CONNECTIONS

| LINE | | PE | |
|--------|-------------|---------|-------------|
| d (mm) | Torque (Nm) | d1 (mm) | Torque (Nm) |
| - | - | M12 | 20 |
| - | - | M12 | 20 |
| - | - | M12 | 20 |

| LINE | | PE | |
|--------|-------------|---------|-------------|
| d (mm) | Torque (Nm) | d1 (mm) | Torque (Nm) |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

| LINE | | PE | |
|--------|-------------|---------|-------------|
| d (mm) | Torque (Nm) | d1 (mm) | 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 |
| M12 | 18 | M10 | 18 |

TYPICAL MEASUREMENT

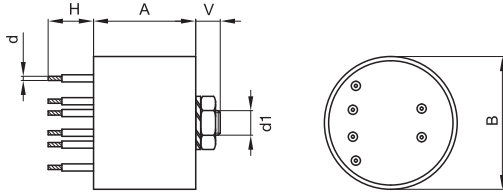


Example of measurement in a typical application using a servo drive

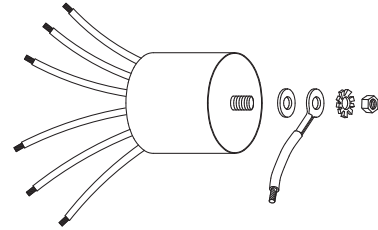
MECHANICAL DIMENSIONS mm

| FIN900 | A | B | d | V | d1 | H | Weight Kg. | Case |
|---------|----|----|---|----|-----|-----|------------|------|
| .010.1C | 60 | 65 | 2 | 12 | M12 | 200 | 0.5 | 1C |
| .016.1C | 60 | 65 | 2 | 12 | M12 | 200 | 0.5 | 1C |
| .030.1C | 60 | 65 | 2 | 12 | M12 | 200 | 0.55 | 1C |

CASE 1C

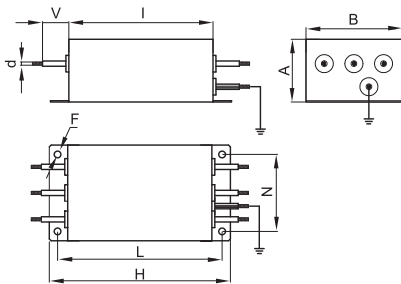


ASSEMBLY CONNECTION "1C"

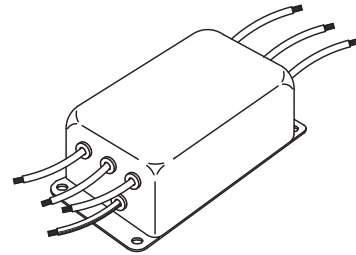


| FIN900 | A | B | d | V | F | H | I | L | N | Weight Kg. | Case |
|--------|----|----|---|-----|-----|-----|----|-----|----|------------|------|
| .010.C | 42 | 65 | 2 | 200 | 4.2 | 120 | 96 | 110 | 51 | 0.7 | C |
| .016.C | 42 | 65 | 2 | 200 | 4.2 | 120 | 96 | 110 | 51 | 0.7 | C |
| .030.C | 42 | 65 | 2 | 200 | 4.2 | 120 | 96 | 110 | 51 | 0.75 | C |

CASE C



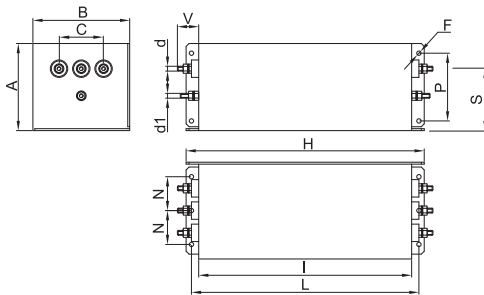
ASSEMBLY CONNECTION "C"



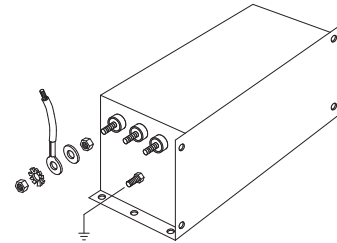
MECHANICAL DIMENSIONS mm

| FIN900 | A | B | C | d | d1 | V | F | H | I | L | N | P | S | Weight Kg. | Case |
|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|------|----|----|------------|------|
| .010.V | 58 | 86 | 44 | M4 | M4 | 14 | 4.5 | 186 | 160 | 176 | 30 | 40 | 38 | 2 | 1 |
| .016.V | 58 | 86 | 44 | M5 | M4 | 14 | 4.5 | 186 | 160 | 176 | 30 | 40 | 38 | 2 | 1 |
| .030.V | 58 | 86 | 44 | M5 | M4 | 14 | 4.5 | 186 | 160 | 176 | 30 | 40 | 38 | 2 | 1 |
| .050.V | 58 | 86 | 44 | M6 | M5 | 14 | 4.5 | 186 | 160 | 176 | 30 | 40 | 38 | 2 | 1 |
| .080.V | 90 | 100 | 46 | M6 | M5 | 28 | 4.5 | 246 | 220 | 235 | 35 | 70 | 64 | 3 | 2 |
| .100.V | 90 | 185 | 84 | M8 | M8 | 25 | 6.5 | 356 | 320 | 340 | 77.5 | 70 | 69 | 5 | 3 |
| .150.V | 90 | 220 | 120 | M8 | M8 | 29 | 6.5 | 356 | 320 | 340 | 95 | 70 | 60 | 7 | 4 |
| .200.V | 90 | 220 | 120 | M10 | M10 | 29 | 6.5 | 356 | 320 | 340 | 95 | 70 | 60 | 7.5 | 4 |
| .280.V | 90 | 220 | 120 | M12 | M10 | 29 | 6.5 | 356 | 320 | 340 | 95 | 70 | 60 | 8 | 4 |

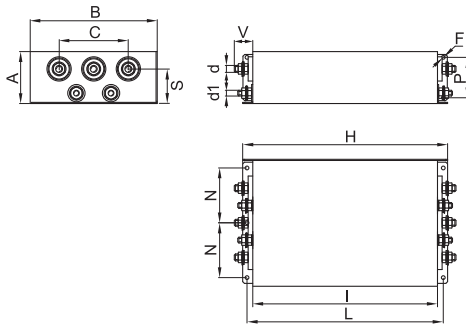
CASE 1, 2



ASSEMBLY CONNECTION "V"



CASE 3, 4



ASSEMBLY CONNECTION "V"

