Panasonic

INDUSTRY

Fan Motor Accessories

2022.6

Accessories

Dimensions (mm in)
Plug cord for AC Fan Motor

2-terminals type

ASE51100
For inside of appliance
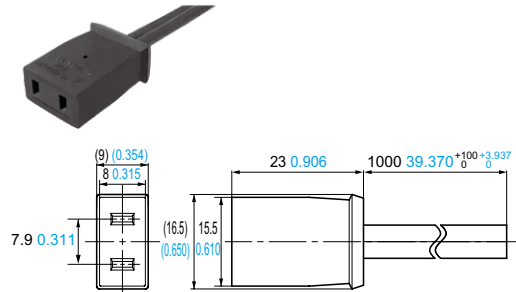Flat type 2-core cord (20/0.18)

9 0.354
7.5 0.295
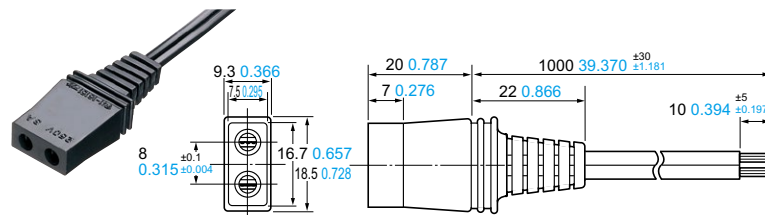8 0.315 ±0.1 ±0.004
15.5 0.610
18 0.709
23.5 0.925
7 0.276
1000 39.370 ±30 ±1.181
10 0.394 ±5 ±0.197

ASE51107
Flat type 2-core cord (30/0.18)

9.3 0.366
7.5 0.295
8 0.315 ±0.1 ±0.004
16.7 0.657
18.5 0.728
20 0.787
7 0.276
22 0.866
1000 39.370 ±30 ±1.181
10 0.394 ±5 ±0.197
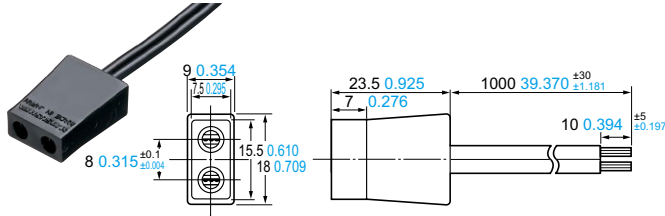
ASEP51109
UL/c-UL: FILE NO.E43202
Flat type 2-core cord
AWG18

(9) (0.354)
8 0.315
7.9 0.311
(16.5) (0.650)
15.5 0.610
23 0.906
1000 39.370 +100 +3.937 0 0

*Non-indicated tolerance is ±1 ±0.039.

Fan guard

ASFN48001
For □40, compliant with UL/CSA
Material used: Steel

ø4±0.5 ø0.157±0.020
32±0.5 1.260±0.020
4.8 0.189
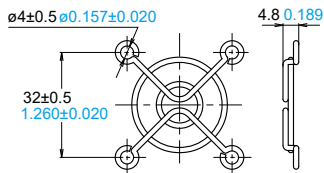
ASFN68001
For □60, compliant with UL/CSA
Material used: Steel

ø53±0.5 ø53±2.087
50±0.5 50±1.969
4.5 0.177
ø4.6±0.5 ø0.181±0.020
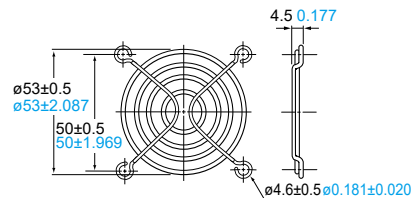
ASFN88001
For □80, compliant with UL/CSA
Material used: Steel

ø76 ø2.992
71.7 2.823
5 0.197
ø4.9±0.5 ø0.193±0.020

ASEN88001
Material used: Steel

4.3 +0.5 0 0.169 +0.020 0
101.2 3.984
ø83.2 ø3.276
5 0.197
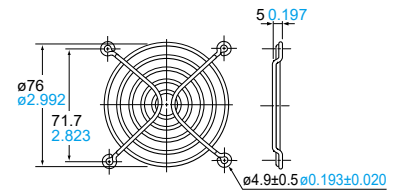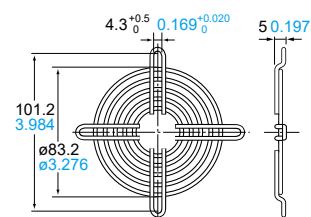
ASFN98001
For □92, compliant with UL/CSA
Material used: Steel

ø90 ø3.543
82.5 3.248
5.5 0.217
ø4.9±0.5 ø0.193±0.020

ASEN98001
Material used: Steel

4.3 +0.5 0 0.169 +0.020 0
117.7 4.634
ø93.2 ø3.669
5 0.197
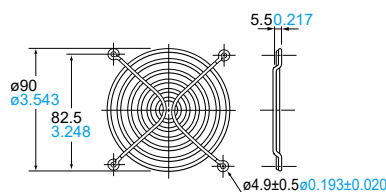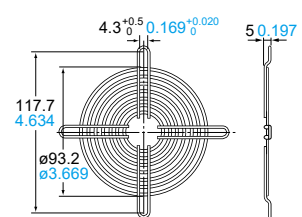
ASFN18001
For □120, compliant with UL/CSA
Material used: Steel

ø115.6 ø4.551
104.8±0.5 4.126±0.020
5.5 0.217
ø4.9±0.5 ø0.193±0.020

ASEN18001
Material used: Steel

4.3 +0.5 0 0.169 +0.020 0
148.2 5.835
111.2 4.378
5 0.197
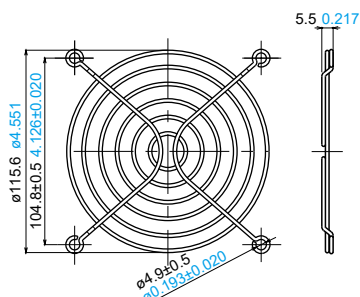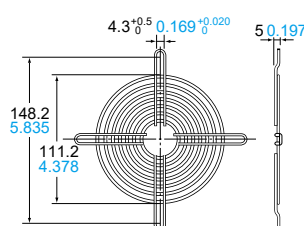
ASEN58001
For 150 × 172 5.906 × 6.772, compliant with UL/CSA
Material used: Steel

ø4.8±0.5 ø0.189±0.020
ø154.4 ø6.079
162.05 6.380
6.45 0.254
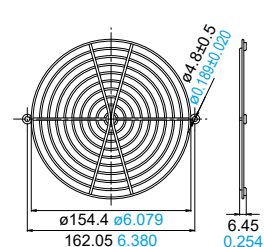
*Non-indicated tolerance is ±1 ±0.039.

Fan motor filter

(**ASEN18002**)

ASEN68002
For □60

60 2.362
50±0.5 1.969±0.020
60 2.362
50±0.5 1.969±0.020
ø4.6
ø0.181
Counter
sinking
6.3±0.5 0.248±0.020

ASEN88002
For □80

83.3 3.280
71.4 2.811
83.3 3.280
71.4 2.811
ø3.8
ø0.150
Counter
sinking
9.9±0.5 0.390±0.020

ASEN98002
For □92

96.3 3.791
82.6 3.252
96.3 3.791
82.6 3.252
ø3.8
ø0.150
Counter
sinking
10.1±0.5 0.398±0.020

ASEN18002
For □120
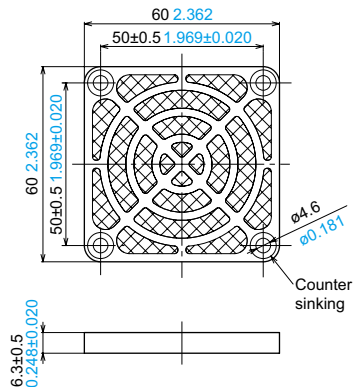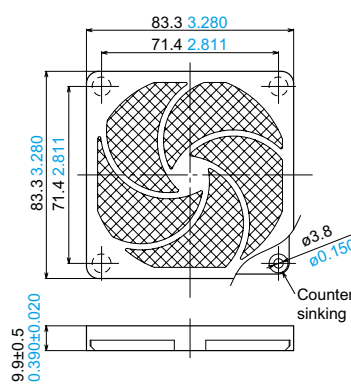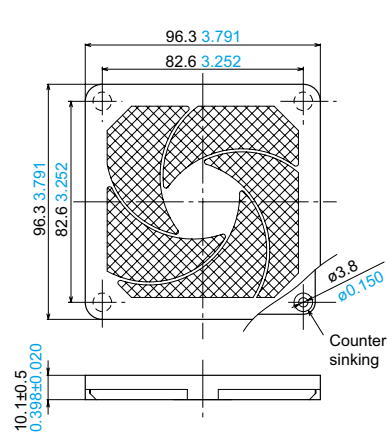
125.2 4.929
104.7 4.122
125.2 4.929
104.7 4.122
ø4.5
ø0.177
Counter
sinking
10.6±0.5 10.6±0.020
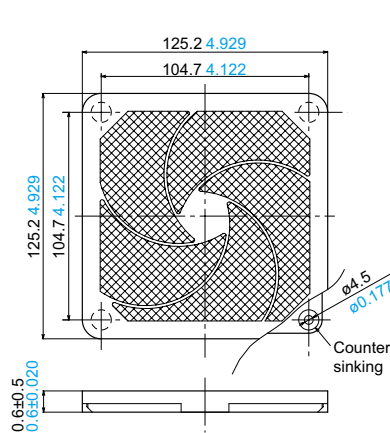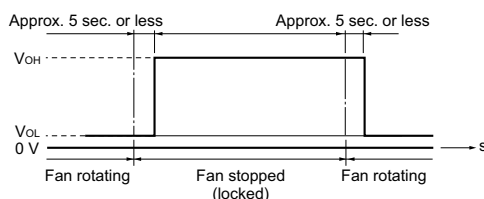
*Non-indicated tolerance is ±1 ±0.039.

■ FUNCTIONS OF DC FAN SENSOR

In case of the fan stops as a result of forced external restraint, a signal will be generated to indicate that there is a problem. This signal can be used to control an external warning circuit in order to help prevent the device from overheating. Although there are various detection methods for this sensor, we adopt the method that uses a logic circuit.
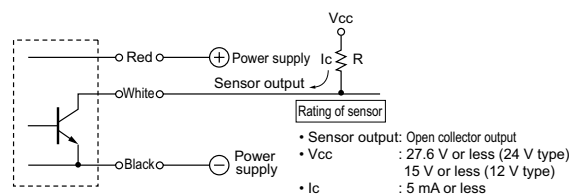
Lock sensor specifications

Output waveform

Approx. 5 sec. or less   Approx. 5 sec. or less
V_{OH}
V_{OL}
0 V
s
Fan rotating   Fan stopped   Fan rotating
(locked)

* Output may be high for approximately 0.5 seconds when power is turned on.
* The continually high output waveform type when fan is stopped (locked) is standard. A high/low output waveform type and output waveform type that corresponds to the rotation frequency during fan rotation are available by special order. Please inquire for details.

Sensor output circuit

Vcc
Red — ⊕ Power supply   Ic ⩾ R
Sensor output
White
Rating of sensor
Black — ⊖ Power supply
• Sensor output: Open collector output
• Vcc   : 27.6 V or less (24 V type)
              15 V or less (12 V type)
• Ic   : 5 mA or less

Notes: 1) Set the resistance value (R) so that the sensor circuit current (Ic) does not exceed 5 mA.
        2) When using at TTL level, the sensor circuit current (Ic) should be approximately 2 mA.
* Exceeding the values above may lead to IC damage.

Panasonic
INDUSTRY

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Specifications are subject to change without notice.
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