Recommended components   Panasonic Industrial Devices SUNX Co.,Ltd.

· **Combination of the set and recommended components**
  (The customer should arrange the recommended components.)
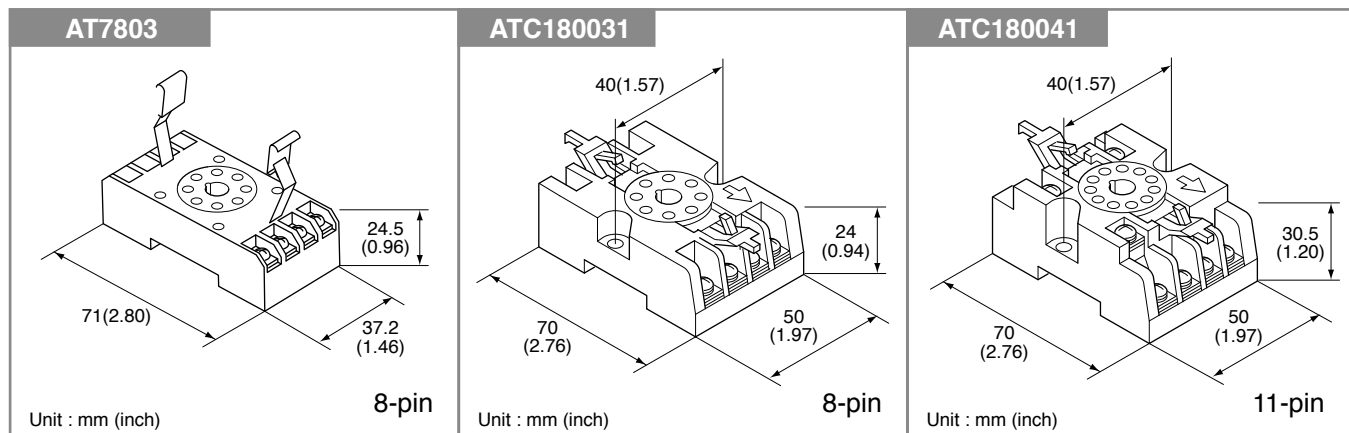 **These are products of Panasonic Industrial Devices SUNX Co.,Ltd.**

Last order date:
September 28,2018

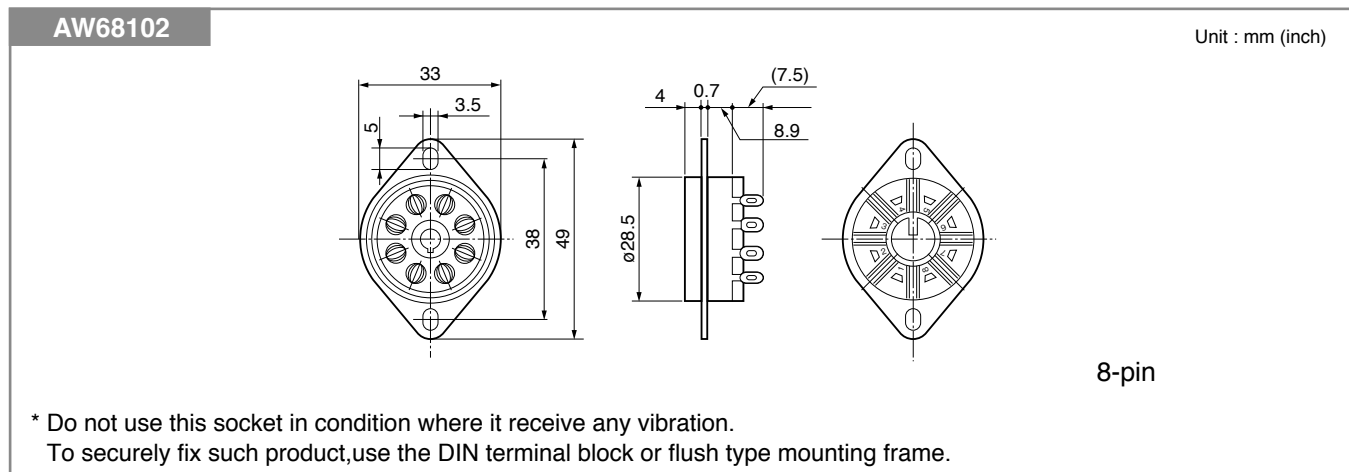|		DIN terminal block	Socket	Cap	Rear panel terminal block	Flush *1, *2 mounting frame	Protective cover	Rail Fastening plate
Speed controller	MGSD	AT7803 ATC180031	AW68102	AD8013	AT78041	AT785* AT781* AT782* AT7831	AT7881 (only for MGSD)	————
	EX	AT7803	AW68102 (accessory)			————	————	
Brake unit	SD	AT7803	AW68102 (accessory)	AD8013	AT78041	AT785* AT781* AT782* AT7831	————	————
	EX					————		
	MB48X	ATC180041	————	ATA4861	————	ATA4811	AQM4801	ATA48011 ATA4806

*1 If you use embedded mounting frame for MGSD or SD types, please use the cap (AD8013) or the rear terminal
    socket (AT78041) for connection wiring.
    The DIN terminal block or socket cannot be used in case of embedded mounting frame.

*2 If you use embedded mounting frame for MB48X type, please use the cap (ATA4861) for connection wiring.
    The DIN terminal block or socket cannot be used in case of embedded mounting frame.

· **DIN terminal block**

AT7803   24.5 (0.96)   71(2.80)   37.2 (1.46)   Unit : mm (inch)   8-pin

ATC180031   40(1.57)   24 (0.94)   70 (2.76)   50 (1.97)   Unit : mm (inch)   8-pin

ATC180041   40(1.57)   30.5 (1.20)   70 (2.76)   50 (1.97)   Unit : mm (inch)   11-pin

· **Socket**

AW68102   Unit : mm (inch)

33   3.5   5   38   49   4   0.7   (7.5)   8.9   ø28.5   8-pin

* Do not use this socket in condition where it receive any vibration.
  To securely fix such product,use the DIN terminal block or flush type mounting frame.

* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Recommended components

· Cap

AD8013 · Unit : mm (inch)

ø31.4(ø1.24)
34.6(1.36)
ø30(ø1.18)

8-pin

ATA4861 · Unit : mm (inch)

34.6(1.36)
ø30(ø1.18)
34.6(1.36)

11-pin

· Rear panel terminal block

AT78041 · Unit : mm (inch)

21(0.83)
16(0.63)
38(1.50)
41(1.61)
3 4 5 6
2 1 8 7
M3.5(0.14)

· Flush mounting frame

ATA4811 · Unit : mm (inch)

48(1.89)
48(1.89)
66(2.60)
26(1.02)
4(0.16)

Note 1: Compatible panel thickness is between 1.0 mm and 3.5 mm (0.039 inch and 0.14 inch).
Note 2: * The distance between holes when mounting the controllers in parallel.
Note 3: Mounting frames shown above are not applicable for EX type controller.
Note 4: If you use embedded mounting frame for MGSD or SD types, please use the cap (AD8013) or the rear terminal socket (AT78041) for connection wiring.
Note 5: If you use embedded mounting frame for MB48X type, please use the cap (ATA4861) for connection wiring.
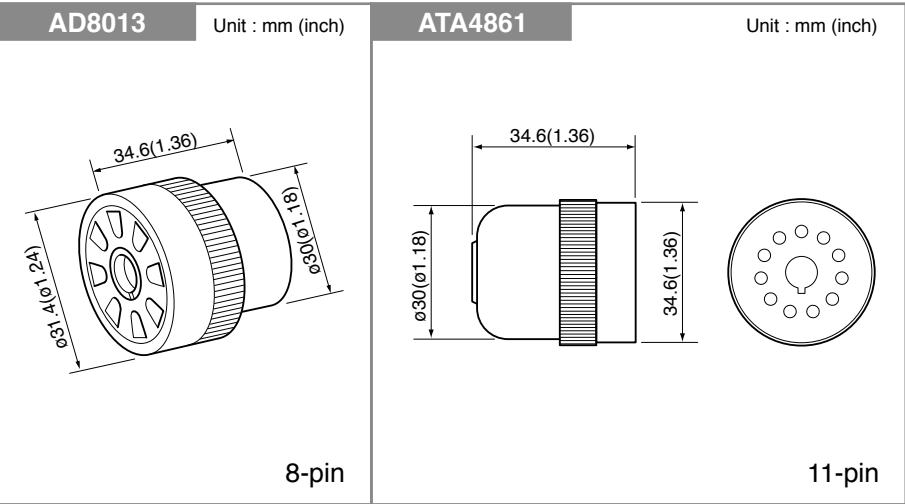Note 6: The DIN terminal block or socket cannot be used in case of embedded mounting frame.

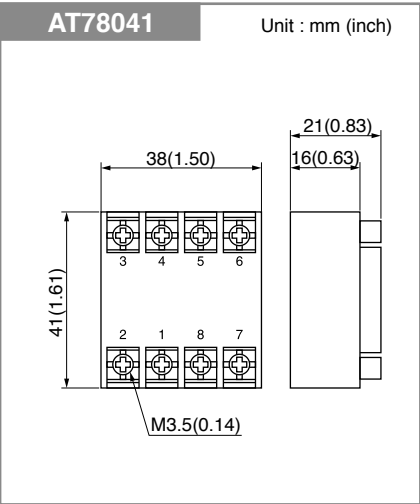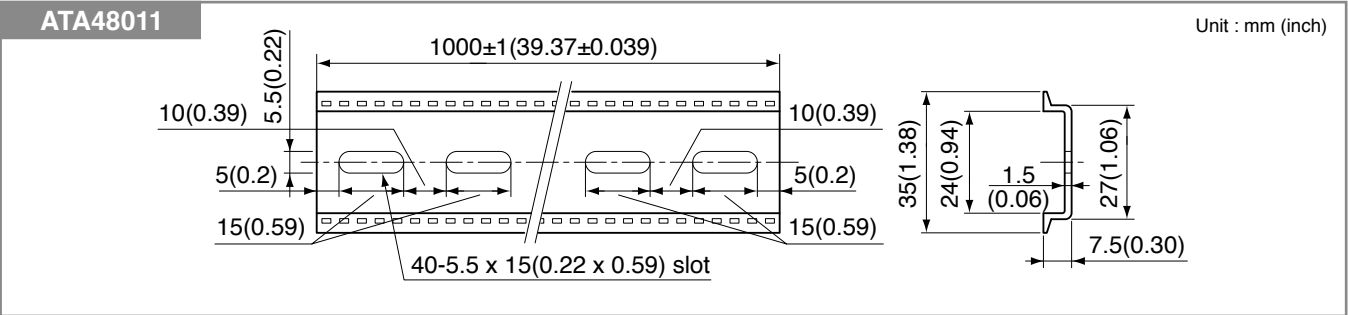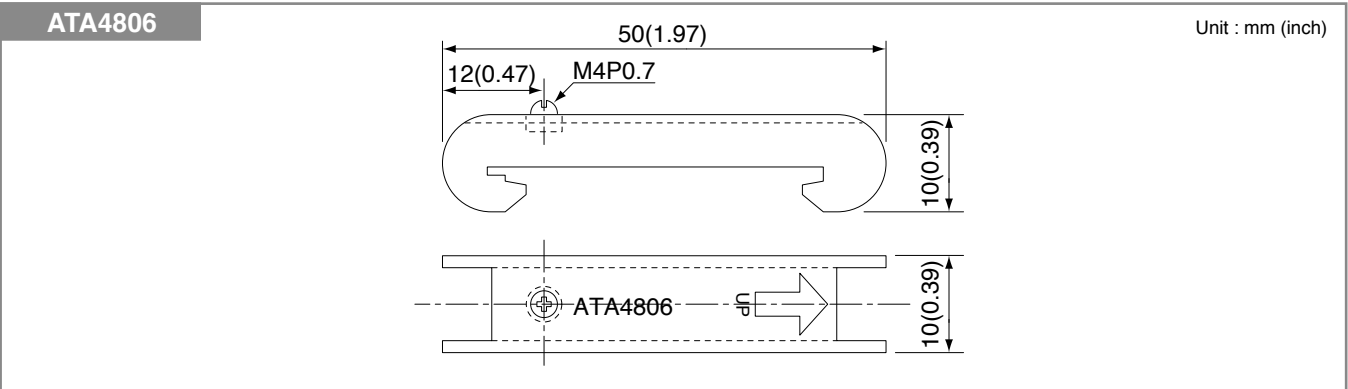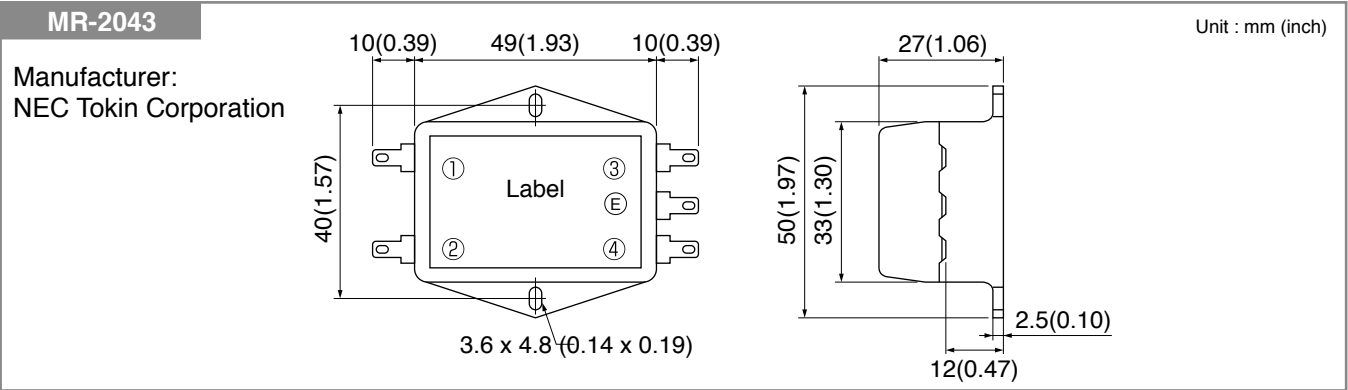* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Unit : mm (inch)

	Shape	Color	Model No.	Front view	Size of mount hole (unit: mm) Recommended hole size
H type	62.8 (2.47)	Gray	◎AT7851	48(1.89) 58(2.28)	50.5 $^{+0.5}_{0}$(1.99 $^{+0.02}_{0}$) R2(0.08) max. 43.5 $^{+0.5}_{0}$(1.71 $^{+0.02}_{0}$) Distance between 2 parallel holes to be 6.5 mm (0.26 inch) or more.*
		Black	◎AT7852		
		Silver gray	◎AT7853		
K type	62.8 (2.47)	Gray	◎AT7811	48(1.89) 58(2.28)	53 $^{±0.3}$(2.09 $^{±0.01}$) R2(0.08) max. 39 $^{±0.3}$(1.54 $^{±0.01}$) Distance between 2 parallel holes to be 11 mm (0.43 inch) or more.*
		Black	◎AT7812		
		Silver gray	◎AT7813		
MHP type	62.8 (2.47)	Gray	◎AT7821	50(1.97) 74 (2.91)	53 $^{±0.3}$(2.09 $^{±0.01}$) R2(0.08) max. 39 $^{±0.3}$(1.54 $^{±0.01}$) Distance between 2 parallel holes to be 13 mm (0.51 inch) or more.*
		Black	◎AT7822		
		Silver gray	◎AT7823		
MHP-M type	62.8(2.47)	Gray	◎AT7831	58(2.28) 88 (3.46)	2-ø4.5(ø0.18) 76 $^{+0.1}_{0}$(2.99 $^{+0.004}_{0}$) 53 $^{±0.3}$(2.09 $^{±0.01}$) R2(0.08) max. 39 $^{±0.3}$(1.54 $^{±0.01}$) Distance between 2 parallel holes to be 21 mm (0.83 inch) or more.*

· Protective cover

AT7881 · Unit : mm (inch)

45.6(1.80)
40(1.57)
11.6(0.46)

Snap the protective cover into the mounting frame, accessing from the front side of the frame, with the protective cover rib kept warped by fingers pressing on the arrow mark on the protective cover. This can be done, whether or not the mounting frame has a unit in it.

1. The cover attached after the speed setting prevents wrong operation and serves as a dust cover.
2. The cover is applicable to any of the flush type mounting frames.

Rib
Protective cover
Mounting frame
Door

AQM4801 · Unit : mm (inch)

17.2(0.68)
50.6(1.99)
50.6 (1.99)

· DIN rail

ATA48011 · Unit : mm (inch)

1000±1(39.37±0.039)
5.5(0.22)
10(0.39)
10(0.39)
5(0.2)
5(0.2)
15(0.59)
15(0.59)
40-5.5 x 15(0.22 x 0.59) slot
35(1.38)
24(0.94)
27(1.06)
1.5 (0.06)
7.5(0.30)

· Fastening plate

ATA4806 · Unit : mm (inch)

50(1.97)
12(0.47) M4P0.7
10(0.39)
ATA4806
10(0.39)

· Noise filter

MR-2043 · Unit : mm (inch)

Manufacturer: NEC Tokin Corporation

10(0.39) 49(1.93) 10(0.39)
27(1.06)
40(1.57)
① ③ E
Label
② ④
3.6 x 4.8 (0.14 x 0.19)
50(1.97)
33(1.30)
2.5(0.10)
12(0.47)

* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.