ACCESSORIES	SF RELAYS Slim type (Sockets and DIN rail terminal sockets)

TYPES

1. Sockets

Type	No. of poles	Part No.
PC board sockets	4 poles	SFS4-PS
	6 poles	SFS6-PS

Standard packing: Carton: 10 pcs.; Case: 100 pcs.

2. DIN rail terminal socket

Type	No. of poles	Part No.
New Terminal sockets for spade and ring tongue terminals	4 poles	SFS4-SFD-R
	6 poles	SFS6-SFD-R

Standard packing: Carton: 10 pcs.; Case: 100 pcs.
Note: For previous products (spade tongue terminal dedicated terminal sockets), please order SFS4-SFD for 4 poles and SFS6-SFD for 6 poles.
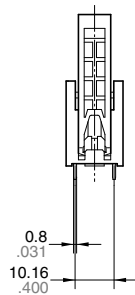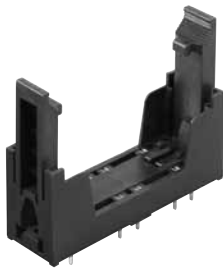
RATING

Specifications

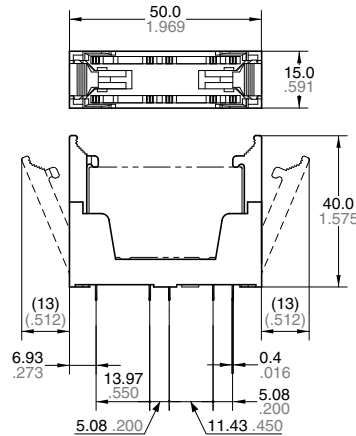| Item	Specifications
Breakdown voltage (Initial)	Between each terminal: 2,500 Vrms for 1 min. (Detection current: 10mA)
Insulation resistance (Initial)	Min. 1,000MΩ (at 500V DC) Measurement at same location as "Breakdown voltage" section.
Max. carrying current	6 A (Reduce by 0.1 A/°C for temperatures 70 to 85°C 158 to 185°F)

DIMENSIONS (mm inch)

The CAD data of the products with a **CAD Data** mark can be downloaded from: http://industrial.panasonic.com/ac/e/

1. PC board sockets (4 poles)
(SFS4-PS)

CAD Data

External dimensions

PC board pattern (Bottom view)

50.0 1.969
15.0 .591
40.0 1.575
(13) (.512)
(13) (.512)
6.93 .273
13.97 .550
0.4 .016
5.08 .200
5.08 .200
11.43 .450
0.8 .031
10.16 .400

10.16 .400
4.1 .161
24.8 .976
39.9 1.571
3-3.2 .126 dia. (For M3 screw)
Please use the screw with a stem length of 8 mm .315 inch.
10-1.1 .043 dia.
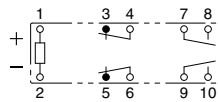(6.93) (.273)
13.97 .550
5.08 .200
5.08 .200
11.43 .450
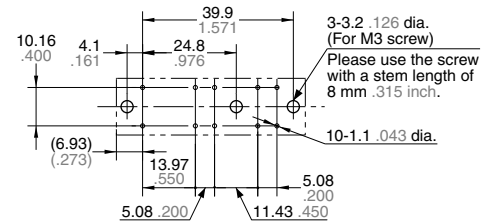
Tolerance: ±0.1 ±.004
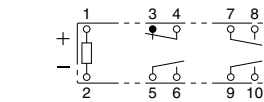
General tolerance: ±0.3 ±.012

Schematic (Bottom view)

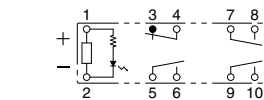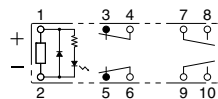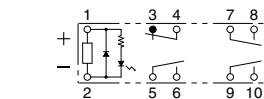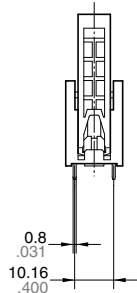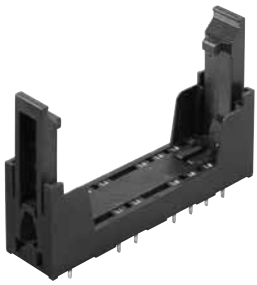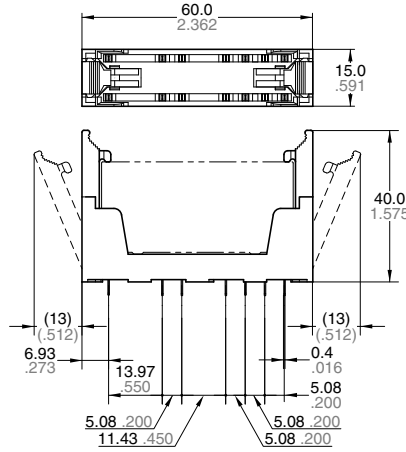| Standard	(When 2 Form A 2 Form B mounted)	(When 3 Form A 1 Form B mounted)
With LED indication	(When 2 Form A 2 Form B mounted)	(When 3 Form A 1 Form B mounted)
With diode and LED indication type	(When 2 Form A 2 Form B mounted)	(When 3 Form A 1 Form B mounted)
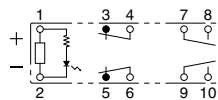
2. PC board sockets (6 poles)
(SFS6-PS)

CAD Data

External dimensions
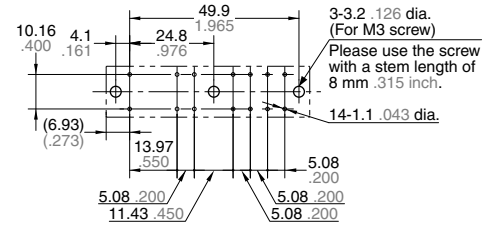
PC board pattern (Bottom view)

60.0
2.362

15.0
.591

40.0
1.575

10.16 .400 4.1 .161 24.8 .976 49.9 1.965

3-3.2 .126 dia.
(For M3 screw)
Please use the screw with a stem length of 8 mm .315 inch.

14-1.1 .043 dia.

(6.93) (.273)

13.97 .550

5.08 .200

5.08 .200 5.08 .200
11.43 .450 5.08 .200

Tolerance: ±0.1 ±.004

0.8 .031
10.16 .400

(13) (.512)
6.93 .273
13.97 .550

(13) (.512)
0.4 .016
5.08 .200

5.08 .200 5.08 .200
11.43 .450 5.08 .200

General tolerance: ±0.3 ±.012

Schematic (Bottom view)

Standard

(When 4 Form A 2 Form B mounted)
(When 5 Form A 1 Form B mounted)
(When 3 Form A 3 Form B mounted)

With LED indication

(When 4 Form A 2 Form B mounted)
(When 5 Form A 1 Form B mounted)
(When 3 Form A 3 Form B mounted)

With diode and LED indication type

(When 4 Form A 2 Form B mounted)
(When 5 Form A 1 Form B mounted)
(When 3 Form A 3 Form B mounted)
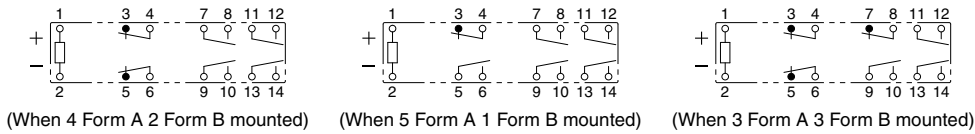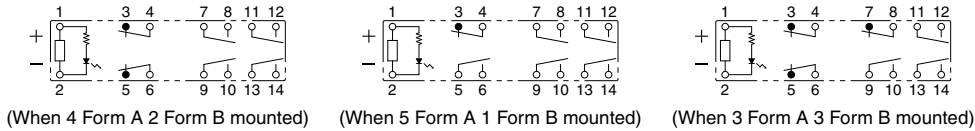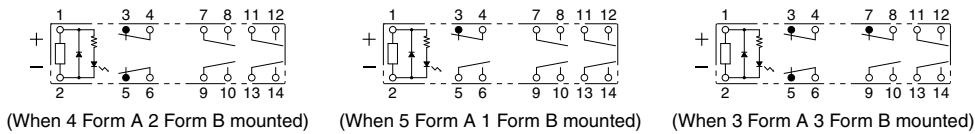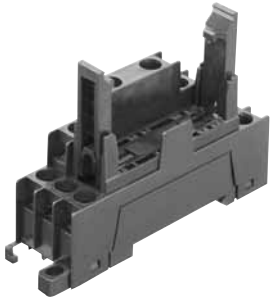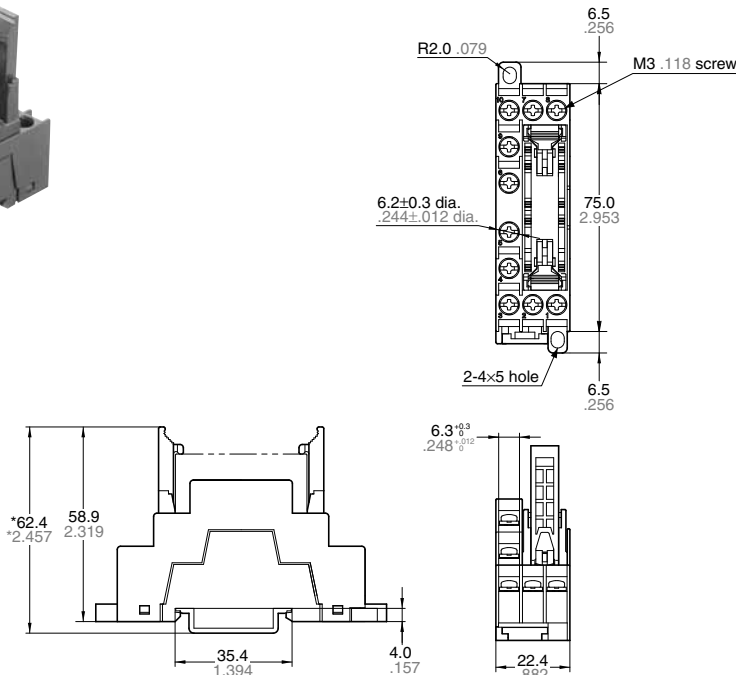
3. Terminal socket for spade and ring tongue terminals (For 4 poles finger protect type)

CAD Data

External dimensions

Mounting hole dimensions

6.5 .256

R2.0 .079

M3 .118 screw

6.2±0.3 dia.
.244±.012 dia.

75.0
2.953

2-4×5 hole

6.5 .256

2-M3.5 or 4 dia. hole
2-M.138 or .157 dia. hole

14.5±0.2
.571±.008

80.0±0.2
3.150±.008

Tolerance: ±0.1 ±.004

Schematic (Top view)

*62.4 *2.457
58.9 2.319

35.4 1.394

4.0 .157

6.3 +0.3 -0 .248 +.012 -0

22.4 .882

General tolerance: ±0.5 ±.020
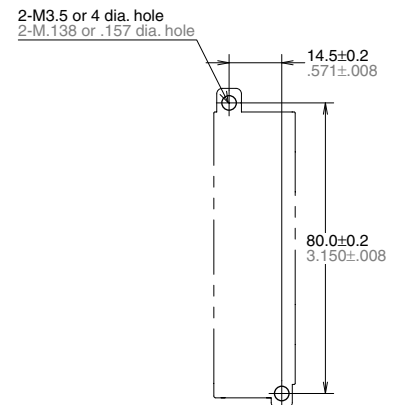
* Reference value (when using DIN rail ATA48011)

Note: Ring tongue terminals cannot be used with conventional DIN rail terminal socket (SFS4-SFD).
In use of a ring tongue terminals, please use SFS4-SFD-R.

4. Terminal socket for spade and ring tongue terminals (For 6 poles finger protect type)

CAD Data

External dimensions

6.5 .256

R2.0 .079

M3 .118 screw
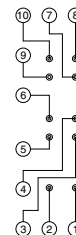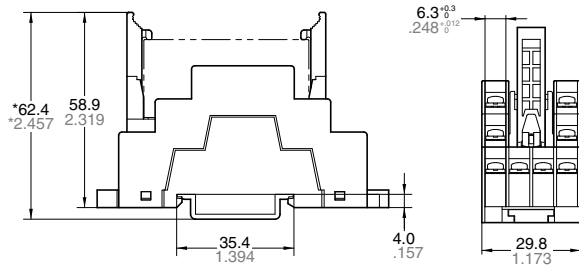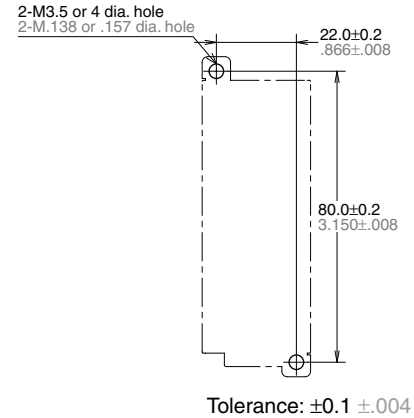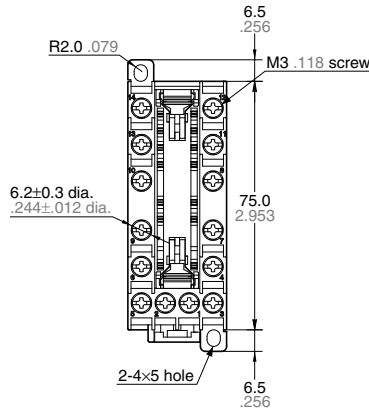
6.2±0.3 dia.
.244±.012 dia.

75.0
2.953

2-4×5 hole

6.5
.256

6.3 $^{+0.3}_{0}$
.248 $^{+.012}_{0}$

29.8
1.173

General tolerance: ±0.5 ±.020

*62.4
*2.457

58.9
2.319

35.4
1.394

4.0
.157
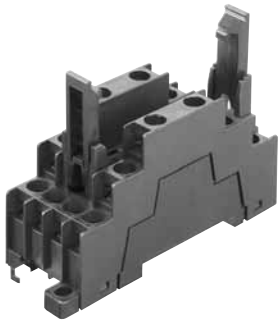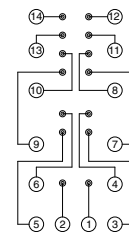
* Reference value (when using DIN rail ATA48011)

Note: Ring tongue terminals cannot be used with conventional DIN rail terminal socket (SFS6-SFD).
In use of a ring tongue terminals, please use SFS6-SFD-R.

Mounting hole dimensions

2-M3.5 or 4 dia. hole
2-M.138 or .157 dia. hole

22.0±0.2
.866±.008

80.0±0.2
3.150±.008

Tolerance: ±0.1 ±.004

Schematic (Top view)

⑭ ⑫
⑬ ⑪
⑩ ⑧
⑨ ⑦
⑥ ④
⑤ ② ① ③

NOTES

Installation

1) Attach directly to the chassis or use a DIN rail.
(1) When attaching directly to chassis
• Use a M3.5 screw, spring washer, and hex nut.
• For the mounting pitch, refer to the dimensions.
(2) When installing on a DIN rail
• Use a 35 mm 1.378 inch wide DIN rail (DIN46277).
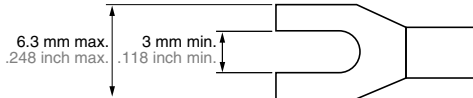• Install and remove as shown in the figures below.

<When installing>

Push

DIN rail

<When removing>

Pull

Screwdriver
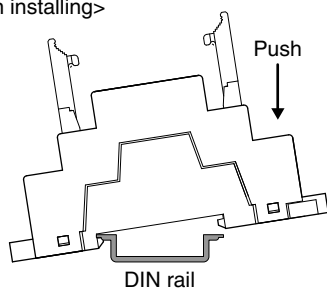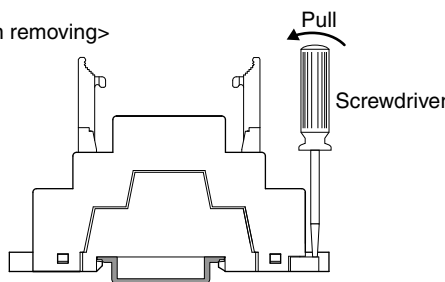
2) Refer to the figure below for applicable wire-pressed terminals.

Spade tongue terminal

6.3 mm max.
.248 inch max.

3 mm min.
.118 inch min.

Ring tongue terminal

6.3 mm max.
.248 inch max.

3 mm min.
.118 inch min.