

# Section

# F

New  
New

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# Sockets

for more information on this product family visit

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## Relay and Timer Socket Selection Guide

## Relay and Timer Socket

| Mounting                                                                                                                  | Series                                                                                                   | Page  | Part No.                       | No. of Poles | Receptacle | Terminal                                       | Compatible IDEC Relay and Timer                |                            |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------|--------------------------------|--------------|------------|------------------------------------------------|------------------------------------------------|----------------------------|
| <div>DIN Rail Snap/Surface-Mount</div>  | SU                                                                                                       | F-6   | SU2S-11L                       | 2            | 8-Blade    | Spring Clamp Terminals                         | RU2, RM2                                       |                            |
|                                                                                                                           |                                                                                                          |       | SU4S-11L                       | 4            | 14-Blade   |                                                | RU4, RU42, RY4, RY42                           |                            |
|                                                                                                                           | SR                                                                                                       | F-11  | SR2P-05<br>SR2P-05C<br>SR2P-06 | 2            | 8-Pin      | M3.5 Screw                                     | RR2P, GT5P,<br>RTE-P1, GT3 (8-pin)             |                            |
|                                                                                                                           |                                                                                                          |       | SR3P-05<br>SR3P-05C<br>SR3P-06 | 3            | 11-Pin     |                                                | RR3PA, RR2KP, RTE-P2<br>GT3 (11-pin)           |                            |
|                                                                                                                           |                                                                                                          |       | SR3B-05                        | 3            | 11-Blade   |                                                | RR1BA, RR2BA, RR3B, RTE-B                      |                            |
|                                                                                                                           | SH                                                                                                       | F-14  | SH1B-05<br>SH1B-05C            | 1            | 5-Blade    | M3.5 Screw<br>Coil Terminal: M3                | RH1B                                           |                            |
|                                                                                                                           |                                                                                                          |       | SH2B-05<br>SH2B-05C            | 2            | 8-Blade    | M3.5 Screw                                     | RH2B                                           |                            |
|                                                                                                                           |                                                                                                          |       | SH3B-05<br>SH3B-05C            | 3            | 11-Blade   |                                                | RH3B, RH2LB                                    |                            |
|                                                                                                                           |                                                                                                          |       | SH4B-05<br>SH4B-05C            | 4            | 14-Blade   |                                                | RH4B                                           |                            |
|                                                                                                                           | SY                                                                                                       | F-18  | SY2S-05<br>SY2S-05C            | 2            | 8-Blade    | M3 Screw                                       | RY2S, RY22S                                    |                            |
|                                                                                                                           |                                                                                                          |       | SY4S-05<br>SY4S-05C            | 4            | 14-Blade   |                                                | RU4S, RU42S, RY4S, RY42S, RY2KS, RM2S,<br>GT5Y |                            |
|                                                                                                                           | SM                                                                                                       | F-20  | SM2S-05<br>SM2S-05C            | 2            | 8-Blade    | M3 Screw                                       | RU2S, RM2S                                     |                            |
|                                                                                                                           | SJ                                                                                                       | F-9   | SJ1S-05B<br>SJ1S-07L           | 1            | 5-Blade    | M3 Screw                                       | RJ1S                                           |                            |
|                                                                                                                           |                                                                                                          |       | SJ2S-05B<br>SJ2S-07L           | 2            | 8-Blade    |                                                | RJ2S                                           |                            |
|                                                                                                                           | SQ                                                                                                       | F-10  | SQ1V-07B                       | 1            | 5-Blade    |                                                | RQ1V-CM                                        |                            |
|                                                                                                                           |                                                                                                          |       | SQ2V-07B                       | 2            | 8-Blade    |                                                | RQ2V-CN<br>RQ1V-CH                             |                            |
| <div>Through Panel Mount</div>         | SR                                                                                                       | F-21  | SR2P-51                        | 2            | 8-Pin      | Solder                                         | RR2P, GT5P, RTE-P1, GT3 (8-pin)                |                            |
|                                                                                                                           |                                                                                                          |       | SR3P-51                        | 3            | 11-Pin     |                                                | RR3PA, RR2KP, RTE-P2, GT3 (11-pin)             |                            |
|                                                                                                                           |                                                                                                          |       | SR3B-51                        | 3            | 11-Blade   |                                                | RR1BA, RR2BA, RR3B                             |                            |
|                                                                                                                           | SH                                                                                                       | F-22  | SH1B-51                        | 1            | 5-Blade    |                                                | RH1B                                           |                            |
|                                                                                                                           |                                                                                                          |       | SH2B-51                        | 2            | 8-Blade    |                                                | RH2B                                           |                            |
|                                                                                                                           |                                                                                                          |       | SH3B-51                        | 3            | 11-Blade   |                                                | RH3B, RH2LB                                    |                            |
|                                                                                                                           |                                                                                                          |       | SH4B-51                        | 4            | 14-Blade   |                                                | RH4B                                           |                            |
|                                                                                                                           | SY                                                                                                       | F-24  | SY2S-51                        | 2            | 8-Blade    |                                                | RY2S, RY22S                                    |                            |
|                                                                                                                           |                                                                                                          |       | SY4S-51                        | 4            | 14-Blade   |                                                | RY4S, RY42S, RU4S, RU42S, RY2KS, RM2S,<br>GT5Y |                            |
|                                                                                                                           | <div>PCB Mount</div>  | SH    | F3-25                          | SH1B-62      | 1          | 5-Blade                                        | PC Board                                       | RH1B                       |
| SH2B-62                                                                                                                   |                                                                                                          |       |                                | 2            | 8-Blade    | RH2B                                           |                                                |                            |
| SH3B-62                                                                                                                   |                                                                                                          |       |                                | 3            | 11-Blade   | RH3B, RH2LB                                    |                                                |                            |
| SH4B-62                                                                                                                   |                                                                                                          |       |                                | 4            | 14-Blade   | RH4B                                           |                                                |                            |
| SY                                                                                                                        |                                                                                                          | F3-26 | SY2S-61                        | 2            | 8-Blade    | RY2S, RY22S                                    |                                                |                            |
|                                                                                                                           |                                                                                                          |       | SY4S-61                        | 4            | 14-Blade   | RY4S, RY42S, RU4S, RU42S, RY2KS, RM2S,<br>GT5Y |                                                |                            |
|                                                                                                                           |                                                                                                          |       | SY4S-62                        | 4            | 14-Blade   | RY4S, RY42S, RU4S, RU42S, RY2KS, RM2S,<br>GT5Y |                                                |                            |
| For Panel Mounted Timers                                                                                                  |                                                                                                          |       |                                |              |            |                                                |                                                |                            |
|                                        | SR                                                                                                       | F-28  | SR6P-M08G                      | 2            | 8-pin      | M3.5 Screw                                     |                                                | GE1A; RTE-P1; GT3 (8-pin); |
|                                                                                                                           |                                                                                                          |       | SR6P-M11G                      |              | 11-pin     |                                                | RTE-P2; GT3 (11-pin)                           |                            |



For relay mounting accessories, see page F-29.

**SU, SR, SH, SM, SY**

|                       |                                 |                                                                           |
|-----------------------|---------------------------------|---------------------------------------------------------------------------|
| <b>Specifications</b> | <b>Rated Insulation Voltage</b> | 300V; except SH1B, SU and SY4S-62: 250V                                   |
|                       | <b>Rated Current</b>            | SU2/SR/SH/SM: 10A, SY: 7A, SU4: 6A with RU4, SU4: 10A with RU2 (SH1B: 7A) |
|                       | <b>Insulation Resistance</b>    | 100MΩ minimum                                                             |
|                       | <b>Dielectric Strength</b>      | 2,000V AC, 1 minute                                                       |
|                       | <b>Material Grade</b>           | UL94V-0                                                                   |
|                       | <b>Terminal Torque</b>          | 3.5mm Screws, 9-11.5 in•lbs<br>3mm screws, 5.5-9 in•lbs                   |



1. \* *Applicable to DIN rail sockets only.*



UL Recognized  
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File No. LR35144



File No. BL950813332307



**SJ, SQ**

| Specifications                     | SJ Series                        | SQ Series                        |
|------------------------------------|----------------------------------|----------------------------------|
| Rated Current                      | SJ1S: 12A Max; SJ2S: 8A Max      | SQ1V: 12A Max; SQ2V: 10A Max     |
| Rated Voltage                      | 250V                             | 300V                             |
| Applicable Wire                    | 2x #14 (2.5mm <sup>2</sup> )     | 2x #14 (2.5mm <sup>2</sup> )     |
| Applicable Crimping Terminal       | 2mm <sup>2</sup> x 2             | 1.5mm <sup>2</sup> x 2           |
| Terminal Torque                    | 0.6 to 1.0Nm                     | 1.0Nm Max                        |
| Screw Size                         | M3 Slotted Phillip Captive Screw | M3 Slotted Phillip Captive Screw |
| Dielectric Strength (Coil/Contact) | 4,000VAC                         | 3,000VAC                         |
| Insulation Resistance              | ≥100 MΩ Minimum                  | ≥100 MΩ Minimum                  |
| Operating Temperature              | -40 to 70°C (no freezing)        | -25 to +85°C                     |
| Operating Humidity                 | 5~85% RH (no condensation)       | 45~85% RH                        |



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File No. E141060



## Hold-Down Springs and Clips Selection Guide

### DIN Rail Snap/Surface-Mount Sockets

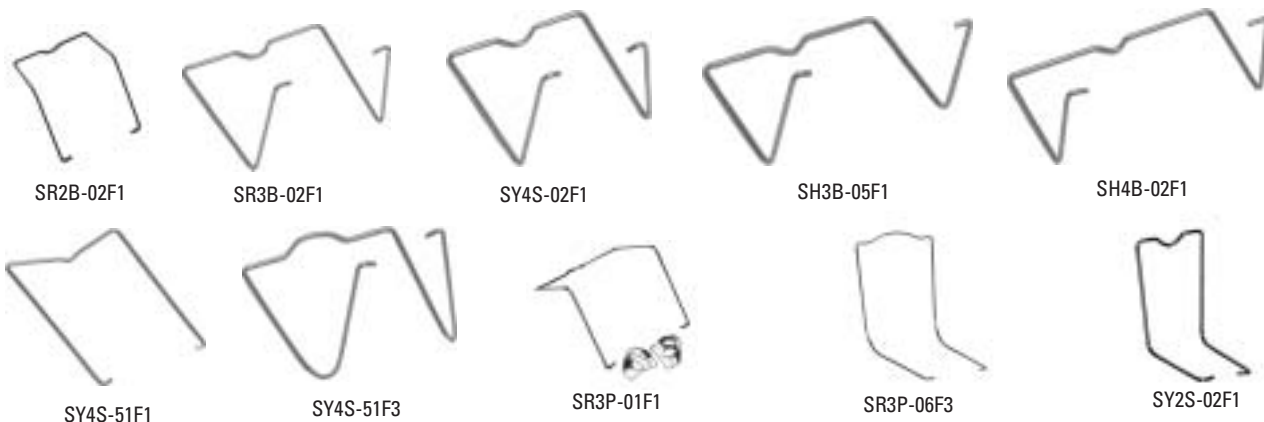
| Socket Part No.      | Applicable Relays, Timer                  | Hold-Down Pullover Spring | Hold-Down Clip (side latch) | Hold-Down Clip (top latch) |
|----------------------|-------------------------------------------|---------------------------|-----------------------------|----------------------------|
| SU2S-11L<br>SU4S-11L | RM2S, RU2, GT5Y-2                         | SY4S-51F1                 | SFA-202                     | SFA-101                    |
|                      | RY4S, RY42S, RU4, RU42, GT5Y, RY2KS, RM2S | SY4S-51F1                 | SFA-202                     | SFA-101                    |
| SR2P-05<br>SR2P-05C  | RR2P                                      | SR2B-02F1                 | SFA-203                     | —                          |
|                      | RTE-P1, GT3, GT5P                         | —                         | SFA-203                     | —                          |
| SR2P-06              | RR2P                                      | SR2B-02F1                 | SFA-202                     | —                          |
|                      | GT3 (8-pin), RTE-P1, GT5P                 | —                         | SFA-202                     | —                          |
| SR3P-05<br>SR3P-05C  | RR3PA                                     | SR3B-02F1                 | SFA-203                     | —                          |
|                      | RR2KP                                     | SR3P-06F3                 | SFA-203                     | —                          |
|                      | RTE-P2, GT3 (11-pin)                      | —                         | SFA-203                     | —                          |
| SR3P-06              | RR3PA                                     | SR3B-02F1                 | SFA-202                     | —                          |
|                      | RR2KP                                     | SR3P-06F3                 | SFA-202                     | —                          |
|                      | RTE-P2, GT3 (11-pin)                      | —                         | SFA-202                     | —                          |
| SR3B-05              | RR1BA, RR2BA, RR3B, RTE-B                 | SR3B-02F1                 | SFA-202                     | —                          |
| SH1B-05<br>SH1B-05C  | RH1B                                      | SY2S-02F1                 | SFA-202                     | SFA-101                    |
| SH2B-05<br>SH2B-05C  | RH2B                                      | SY4S-02F1                 | SFA-202                     | SFA-101                    |
| SH3B-05<br>SH3B-05C  | RH3B, RH2LB                               | SH3B-05F1                 | SFA-202                     | SFA-101                    |
| SH4B-05<br>SH4B-05C  | RH4B                                      | SH4B-02F1                 | SFA-202                     | SFA-101                    |
| SY2S-05<br>SY2S-05C  | RY2S, RY22S                               | SY2S-02F1                 | SFA-202                     | SFA-101                    |
| SY4S-05<br>SY4S-05C  | RY4S, RY42S, RU4, RU42, RM2S              | SY4S-51F1                 | SFA-202                     | SFA-101                    |
|                      | RY2KS, GT5Y                               | (SY4S-51F3)               | SFA-202                     |                            |
| SM2S                 | RM2S, RU2                                 | SY4S-51F1                 | SFA-202                     | SFA-101                    |
| SJ1S<br>SJ2S         | RQ1S<br>RJ2S                              | SJ9Z-C                    |                             |                            |
| SQ1S<br>SQ2S         | RQ1V<br>RQ2V                              | SQ9Z-C                    |                             |                            |

1. Hold-down springs work in conjunction with hold-down spring anchors included with DIN rail sockets.

2. When mounting relays with a check button onto panel mount or PC board mount sockets, use the hold-down spring shown in parenthesis. Hold-down springs for relays with check buttons are not available for SR2P-51.

3. For close mounting of panel mount or PC mount sockets, use hold-down clips rather than hold-down springs.

4. SFA-101, SFA-202 and SFA-302 come in pairs.



**Panel and PC Board Mount Sockets**

| Socket Part No.    | Applicable Relays, Timer  | Hold-Down Pullover Spring | Hold-Down Clip (side latch) | Hold-Down Clip (top latch) |
|--------------------|---------------------------|---------------------------|-----------------------------|----------------------------|
| SR2P-51            | RR2P                      | SR3P-01F1                 | —                           | —                          |
|                    | GT3 (8-pin), RTE-P1       | —                         | SFA-402                     | —                          |
| SR3P-51            | RR3PA                     | SR3P-01F1                 | —                           | —                          |
|                    | RR2KP                     | SR3P-51F3                 |                             | —                          |
|                    | GT3 (11-pin), RTE-P2      | —                         | SFA-402                     | —                          |
| SR3B-51            | RR1BA, RR2BA, RR3B, RTE-B | SR3B-02F1                 | —                           | —                          |
| SH1B-51<br>SH1B-62 | RH1B                      | SY4S-51F1                 | —                           | SFA-301<br>SFA-302         |
| SH2B-51            | RH2B                      | SY4S-51F1<br>(SY4S-02F1)  | —                           | SFA-301<br>SFA-302         |
| SH2B-62            | RH2B                      | SY4S-51F1<br>(SY4S-02F1)  | —                           | —                          |
| SH3B-51<br>SH3B-62 | RH3B, RH2LB               | SY4S-51F1<br>(SY4S-02F1)  | —                           | SFA-301<br>SFA-302         |
| SH4B-51<br>SH4B-62 | RH4B                      | SY4S-51F1<br>(SH4B-02F1)  | —                           | SFA-301<br>SFA-302         |
| SY2S-51<br>SY2S-61 | RY2S, RY22S               | SY4S-51F1                 | —                           | SFA-301<br>SFA-302         |
| SY4S-51<br>SY4S-61 | RY4S, RY42S               | SY4S-51F1<br>(SY4S-02F1)  | —                           | SFA-301<br>SFA-302         |
|                    | RY2KS                     | SY4S-51F1<br>(SY4S-02F3)  | SFA-302                     | —                          |
|                    | GT5Y                      | —                         | SFA-302                     | —                          |
| SY4S-62 *          | RY4S, RY42S, RM2S         | SY4S-51F1<br>(SY4S-02F1)  | —                           | —                          |
|                    | RY2KS                     | SY4S-51F1<br>(SY4S-02F3)  | —                           | —                          |

\* Does not accept hold down clips



SFA-101



SFA-202



SFA-302



SFA-301



SFA-203



SFA-402

## SU Series: DIN Rail Snap-Mount Sockets



## SU2S-11L

|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>Style</b>             | 8-blade DIN-mount/surface mount           |
| <b>Terminal</b>          | Spring clamp terminals                    |
| <b>Wire Size</b>         | 24-16 AWG                                 |
| <b>Electrical Rating</b> | 10A                                       |
| <b>Compatible Relay</b>  | RU2, RM2                                  |
| <b>Compatible Timer</b>  | GT5Y-2                                    |
| <b>Hold-Down Clip</b>    | SFA-101 (top latch), SFA-202 (side latch) |

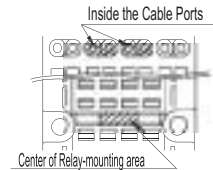


## SU4S-11L

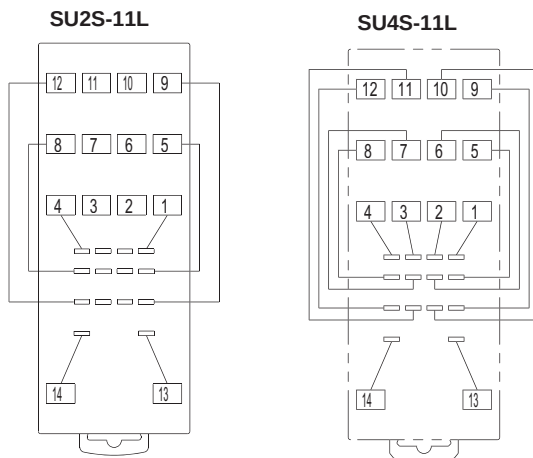
|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>Style</b>             | 14-blade DIN-mount/surface mount          |
| <b>Terminal</b>          | Spring clamp terminals                    |
| <b>Wire Size</b>         | 24-16 AWG                                 |
| <b>Electrical Rating</b> | 6A (using RU4), 10A (using RU2)           |
| <b>Compatible Relay</b>  | RY4S, RY42S, RU4, RU42S, RY2KS, RM2S      |
| <b>Compatible Timer</b>  | GT5Y                                      |
| <b>Hold-Down Clip</b>    | SFA-101 (top latch), SFA-202 (side latch) |



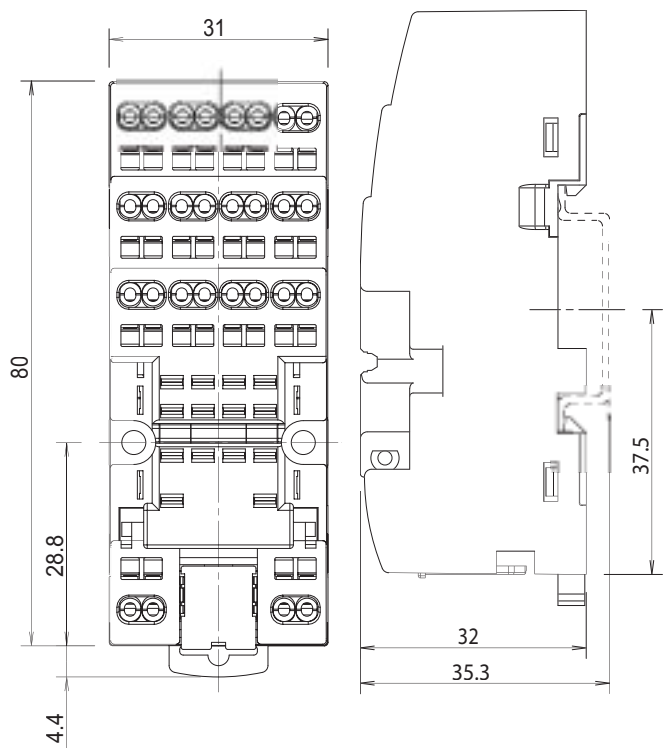
1. On the SU2S, wires or ferrules cannot be connected to terminals 2, 3, 6, 7, 10 or 11 because neither springs nor conductive brackets are installed in these terminals.
2. For socket mounting accessories, see page F-29.



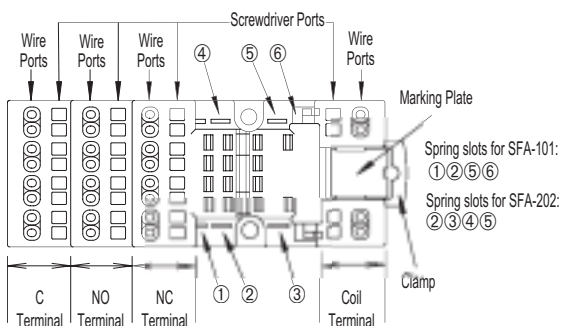
## Terminal Arrangement (top view)



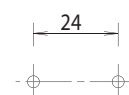
## Dimensions



## Parts



## Panel Cutout for Surface Mounting



All dimensions are in mm.

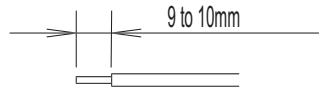
## SU Series: General Instructions

### Applicable Wires

| Wire                     | Size                                       |
|--------------------------|--------------------------------------------|
| Stranded wire            | 0.2 to 1.25 mm <sup>2</sup> or AWG24 to 16 |
| Solid wire               | 0.2 to 1.5 mm <sup>2</sup> or AWG24 to 16  |
| Wire insulation diameter | ø3.15mm maximum                            |



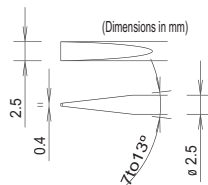
- Strip the wire insulation 9 to 10mm from the end.
- In applications using ferrules for stranded wires, choose the ferrule listed in table below. Make sure that an insulation sheath is applied when using the ferrules. When using stranded wires without ferrules, make sure that the core wires have not been loosened.
- Two cable ports are provided for each terminal.



### Applicable Ferrules

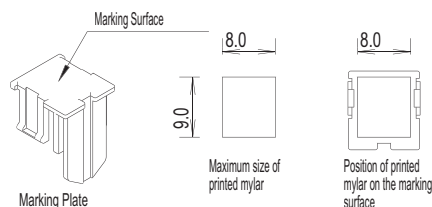
| Applicable Wire (stranded) |     | Type        | Manufacturer    |
|----------------------------|-----|-------------|-----------------|
| mm <sup>2</sup>            | AWG |             |                 |
| 0.2                        | 24  | A10.25-12BU | Phoenix Contact |
| —                          | 22  | A10.34-8TQ  | Phoenix Contact |
| 0.5                        | 20  | A10.5-8WH   | Phoenix Contact |
|                            |     | A10.5-10WH  | Phoenix Contact |
|                            |     | TE0.5       | Nichifu Co. Ltd |

For wiring, use the optional screwdriver (BC1S-SDO) or the following applicable screwdriver.

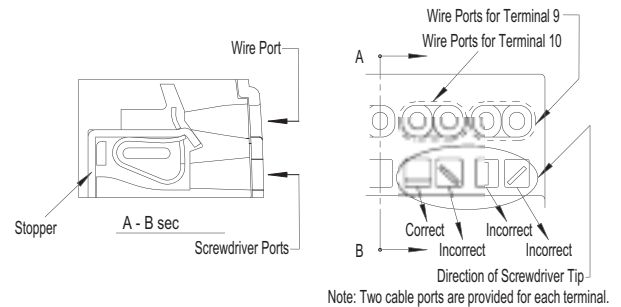


### Marking Instructions

Write markings on the SU sockets using an oil-based marker, or glue printed mylar on the marking surface. The size of the printed mylar can be 8 x 9mm maximum.



### Wiring Instructions

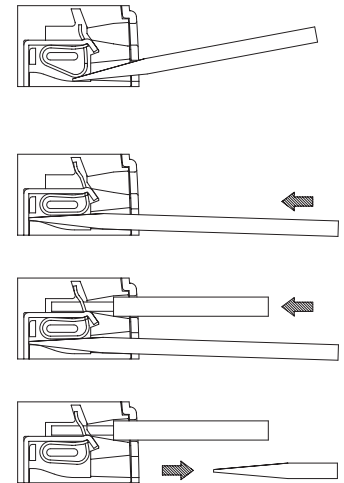


1. Insert the optional screwdriver (BC1S-SDO) or an applicable screwdriver into the square-shaped port as shown on the right, until the screwdriver tip touches the bottom of the spring.

2. Push in the screwdriver until it touches the bottom of the port. The wire port is now open, and the screwdriver is held in place. The screwdriver will not come off even if you release your hand.

3. While the screwdriver is retained in the port, insert the wire or ferrule into the round-shaped wire port. Each wire port can accommodate one wire or ferrule. When connecting two wires to one terminal, use the adjoining port of the same terminal.

4. Pull out the screwdriver. The connection is now complete.

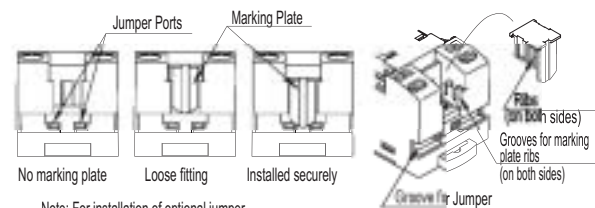


Note: Two cable ports are provided for each terminal.

### Safety Precautions

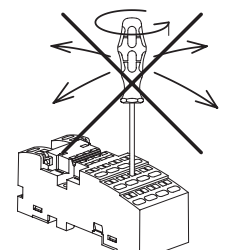
#### Installing the Marking Plate

Because of its removable structure, the marking plate may have fallen from the socket or become loose in delivery. Make sure that the marking plate is securely installed before starting operation. The marking plate protects the conductive portion of the socket, located under the marking plate, by preventing metal fragments or pieces of wire from dropping inside. Should any such fragments enter the socket, they may cause fire hazard, damage, or malfunction.



Note: For installation of optional jumper, see the instruction sheet provided with the jumper.

#### Inserting Screwdriver into the Wire Ports



SU Series: SU9Z-J5 Jumper Installation Instructions

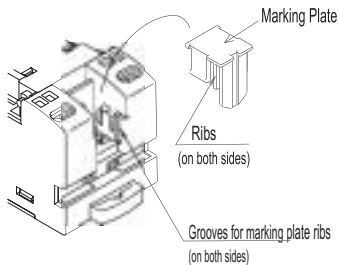
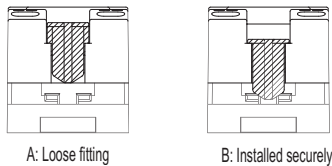
SU9Z-J5 Jumper for SU2S-11L and SU4S-11L

The SU9Z-J5 is used to install five sockets. When installing less than five sockets cut the jumper according to the instructions listed to the right. The SU9Z-J5 jumper is for coil terminals only.

| SU9Z-J5 Jumper |           |                     |
|----------------|-----------|---------------------|
| Rated Current  | 3A        |                     |
| Material       | Conductor | Nickel-plated brass |
|                | Sheath    | ABS resin           |

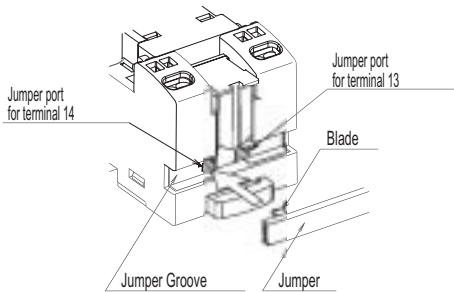
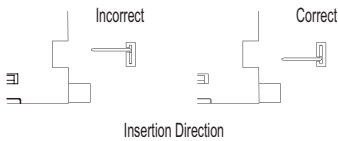
Installation

Loosen the marking plate on the socket.



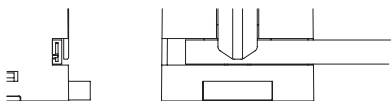
Alignment

Making sure that the SU9Z-J5 jumper is correctly aligned, insert the blades into the ports in the groove of the SU sockets.



Install Jumper Securely

Press down the marking plate to secure the jumper. The jumper installation is now complete.

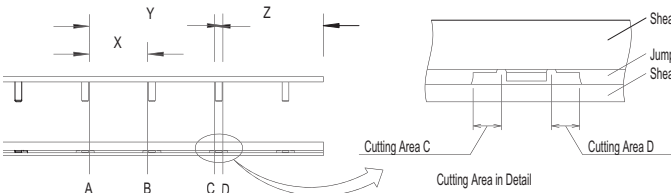


Installing Two, Three or Four SU Sockets on the SU9Z-J5 Jumper

As shown below, slide the jumper in the sheath so that the jumper aligns with the center of the sheath.



With the sheath properly installed on the jumper, cut the sheath and jumper at the points shown below, using cutting pliers. Referring to the drawing on the right, make sure that the sheath and jumper are cut within the cutting area. Dispose of unused portions according to local waste disposal requirements.



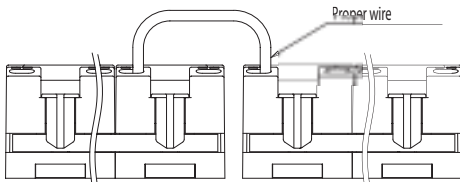
|           | Qty | Cutting Area | Discard |
|-----------|-----|--------------|---------|
| 2 Sockets | 2   | A, C         | Y       |
| 2 Sockets | 1   | A, B         | X       |
| 3 Sockets |     |              |         |
| 4 Sockets | 1   | D            | Z       |

After cutting the jumper and sheath, slide the jumper as shown below, so that the ends of the jumper are not exposed.



Jumper Wiring to Six or More SU Sockets

To jumper wire six or more SU sockets, connect five sockets using whole jumpers and the remaining sockets using a cut jumper. Then connect the two terminals on adjoining sockets using an applicable wire (see table below).



| Wire          | Size                        |
|---------------|-----------------------------|
| Stranded wire | 0.2 to 1.25 mm <sup>2</sup> |
| Solid wire    | 0.2 to 1.5 mm <sup>2</sup>  |
| AWG           | 24 to 16                    |



1. Use a wire with cable insulation diameter of  $\phi 3.15\text{mm}$  maximum.
2. Strip the cable insulation 9 to 10mm from the end.

Safety Precautions

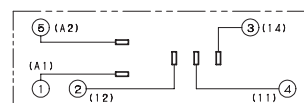
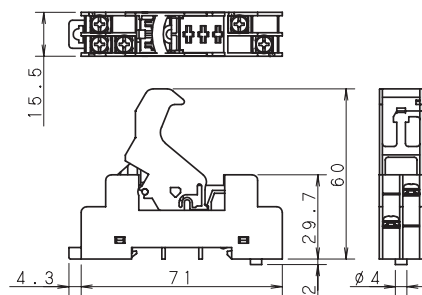
Turn off the power to the SU9Z-J5 jumper before starting installation, removal, wiring, maintenance, or inspection of the jumper. Failure to turn power off may cause an electrical shock or fire hazard.

To avoid a short circuit due to incorrect wiring, confirm which terminals are connected to the jumper before beginning wiring.

## SJ Series: General Information


**SJ1S-05B**

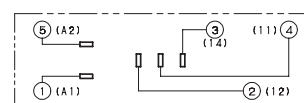
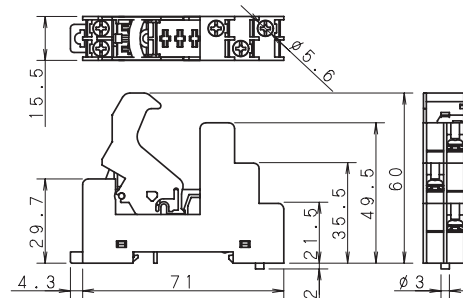
|                           |                                  |
|---------------------------|----------------------------------|
| Style                     | 5-blade snap mount/surface mount |
| Terminal/Torque           | 0.6 - 1.0N•m (Maximum 1.2N•m)    |
| Wire Size                 | Maximum up to 2 - #14 AWG        |
| Electrical Rating         | 250V, 12A                        |
| Compatible Relay          | RJ1S                             |
| Compatible Timer          | N/A                              |
| Hold-Down Spring          | N/A                              |
| Replacement Locking Lever | SJ9Z-C                           |



(Top View)


**SJ1S-07L Fingersafe**

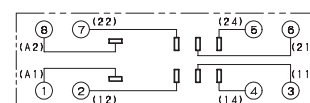
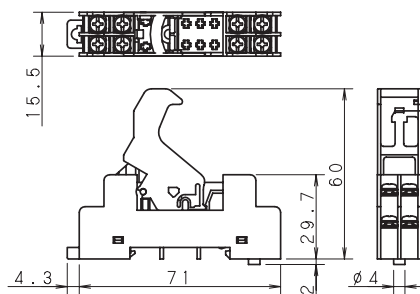
|                           |                                   |
|---------------------------|-----------------------------------|
| Style                     | 5-blade, snap mount/surface mount |
| Terminal/Torque           | 0.6 - 1.0N•m (Maximum 1.2N•m)     |
| Wire Size                 | Maximum up to 2 - #14 AWG         |
| Electrical Rating         | 250V, 12A                         |
| Compatible Relay          | RJ1S                              |
| Compatible Timer          | N/A                               |
| Hold-Down Spring          | N/A                               |
| Replacement Locking Lever | SJ9Z-C                            |

**SJ1S-07L**


(Top View)


**SJ2S-05B**

|                           |                                   |
|---------------------------|-----------------------------------|
| Style                     | 8-blade, snap mount/surface mount |
| Terminal/Torque           | 0.6 - 1.0N•m (Maximum 1.2N•m)     |
| Wire Size                 | Maximum up to 2 - #14 AWG         |
| Electrical Rating         | 250V, 8A                          |
| Compatible Relay          | RJ2S                              |
| Compatible Timer          | N/A                               |
| Hold-Down Spring          | N/A                               |
| Replacement Locking Lever | SJ9Z-C                            |

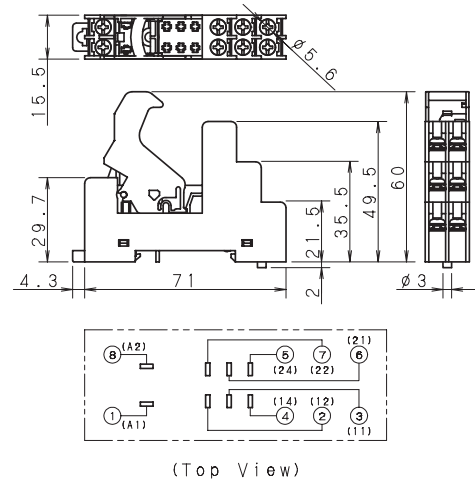


(Top View)

All dimensions are in mm.

**SJ2S-07L Fingersafe**

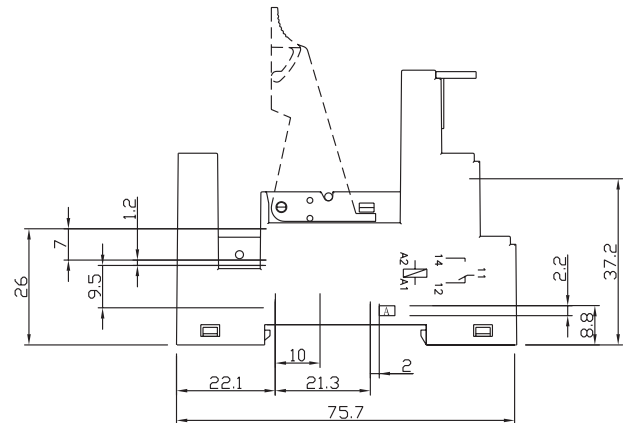
|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Style</b>                     | 8-blade snap mount/surface mount |
| <b>Terminal/Torque</b>           | 0.6 - 1.0N•m (Maximum 1.2N•m)    |
| <b>Wire Size</b>                 | Maximum up to 2 - #14 AWG        |
| <b>Electrical Rating</b>         | 250V, 8A                         |
| <b>Compatible Relay</b>          | RJ2S                             |
| <b>Compatible Timer</b>          | N/A                              |
| <b>Hold-Down Spring</b>          | N/A                              |
| <b>Replacement Locking Lever</b> | SJ9Z-C                           |



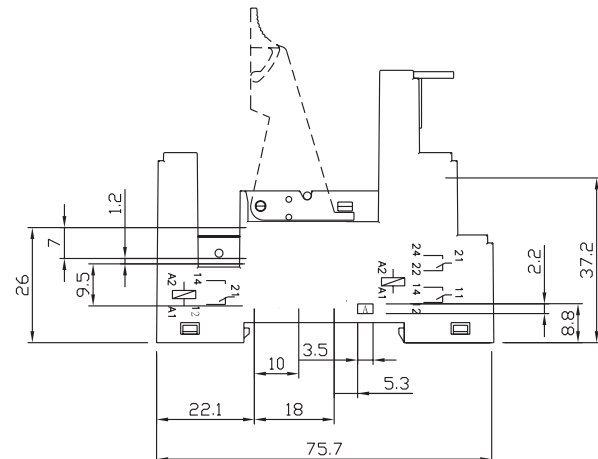
All dimensions are in mm.

**F****SQ Series: General Information****Sockets****SQ1V-07B Fingersafe**

|                                    |                                 |
|------------------------------------|---------------------------------|
| <b>Style</b>                       | 5-pin, snap mount/surface mount |
| <b>Terminal/Torque</b>             | 1.0N•m Maximum                  |
| <b>Wire Size</b>                   | Maximum up to 2 - #14 AWG       |
| <b>Electrical Rating</b>           | 300V, 12A                       |
| <b>Compatible Relay</b>            | RQ1V-CM                         |
| <b>Replacement Locking Lever</b>   | SQ9Z-C                          |
| <b>Replacement Marking Plate</b>   | SQ9Z-P                          |
| <b>Plug-in LED/Diode (6-24VDC)</b> | SQ9Z-LD                         |
| <b>Plug-in LED/RC (120/240VAC)</b> | SQ9Z-LR                         |

**SQ2V-07B Fingersafe**

|                                    |                                 |
|------------------------------------|---------------------------------|
| <b>Style</b>                       | 8-pin, snap mount/surface mount |
| <b>Terminal/Torque</b>             | 1.0N•m Maximum                  |
| <b>Wire Size</b>                   | Maximum up to 2 - #14 AWG       |
| <b>Electrical Rating</b>           | 300V, 8A                        |
| <b>Compatible Relay</b>            | RQ2V, RQ1V-CH                   |
| <b>Replacement Locking Lever</b>   | SQ9Z-C                          |
| <b>Replacement Marking Plate</b>   | SQ9Z-P                          |
| <b>Plug-in LED/Diode (6-24VDC)</b> | SQ9Z-LD                         |
| <b>Plug-in LED/RC (120/240VAC)</b> | SQ9Z-LR                         |



All dimensions are in mm.

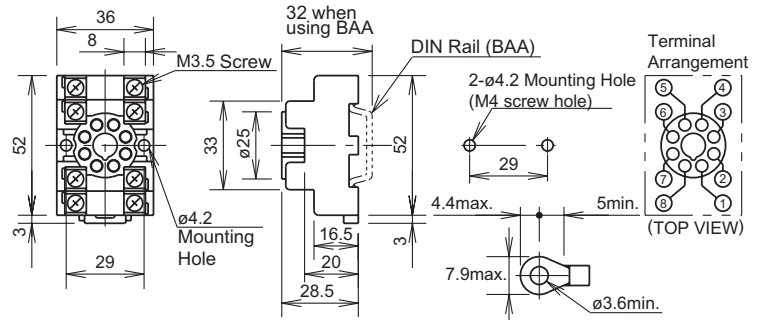
## SR Series: DIN Rail Snap-Mount Sockets

### SR2P Sockets



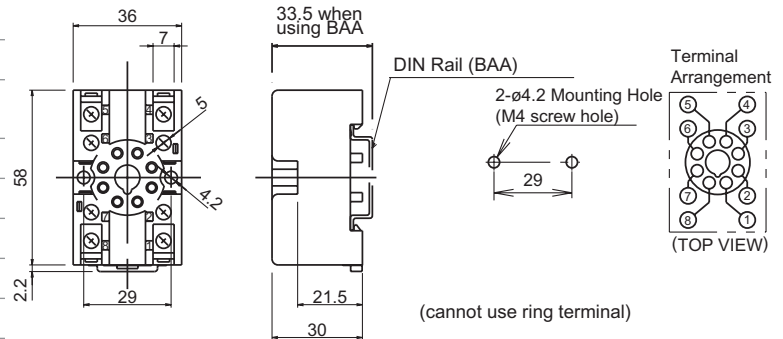
#### SR2P-05

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Style</b>             | 8-pin octal, snap-mount/surface mount                 |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                |
| <b>Electrical Rating</b> | 300V, 10A                                             |
| <b>Compatible Relay</b>  | RR2P                                                  |
| <b>Compatible Timer</b>  | RTE-P1, GT3 (8-pin), GT5P, GE1A                       |
| <b>Hold-Down Spring</b>  | SR2B-02F1 (for RR2P)                                  |
| <b>Hold-Down Clip</b>    | SFA-203 (for timers only, except GE1A)                |



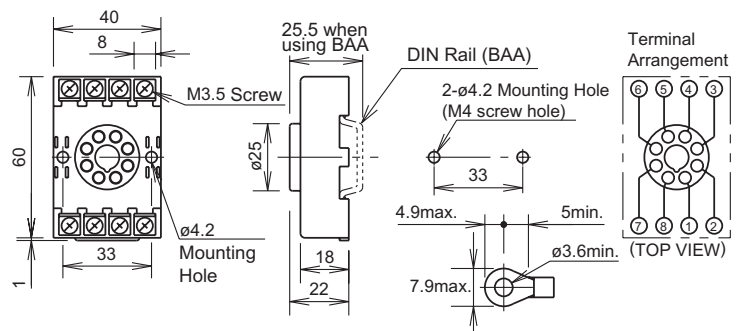
#### SR2P-05C Fingersafe

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| <b>Style</b>             | 8-pin octal, snap-mount/surface mount                             |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                            |
| <b>Electrical Rating</b> | 300V, 10A                                                         |
| <b>Compatible Relay</b>  | RR2P                                                              |
| <b>Compatible Timer</b>  | RTE-P1, GT3 (8-pin), GT5P, GE1A                                   |
| <b>Hold-Down Spring</b>  | SR2B-02F1 (for RR2P)                                              |
| <b>Hold-Down Clip</b>    | SFA-203 (for timers only, except GE1A)                            |



#### SR2P-06

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Style</b>             | 8-pin octal, snap-mount/surface mount                 |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                |
| <b>Electrical Rating</b> | 300V, 10A                                             |
| <b>Compatible Relay</b>  | RR2P                                                  |
| <b>Compatible Timer</b>  | RTE-P1, GT3 (8-pin), GT5P, GE1A                       |
| <b>Hold-Down Spring</b>  | SR2B-02F1 (for RR2P)                                  |
| <b>Hold-Down Clip</b>    | SFA-202 (for timers only, except GE1A)                |



1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

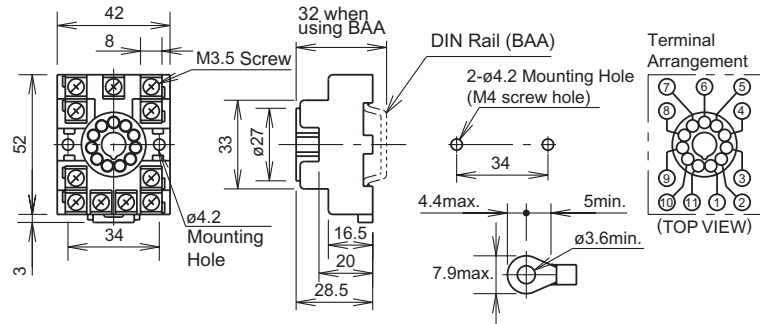
All dimensions are in mm.

## SR3P Sockets



## SR3P-05

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Style</b>             | 11-pin octal, snap-mount/surface mount                |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                |
| <b>Electrical Rating</b> | 300V, 10A                                             |
| <b>Compatible Relay</b>  | RR3PA, RR2KP                                          |
| <b>Compatible Timer</b>  | GT3 (11-pin), RTE-P2                                  |
| <b>Hold-Down Spring</b>  | SR3B-02F1 for RR3P; SR3P-06F3 for RR2KP               |
| <b>Hold-Down Clip</b>    | SFA-203 (Timers)                                      |



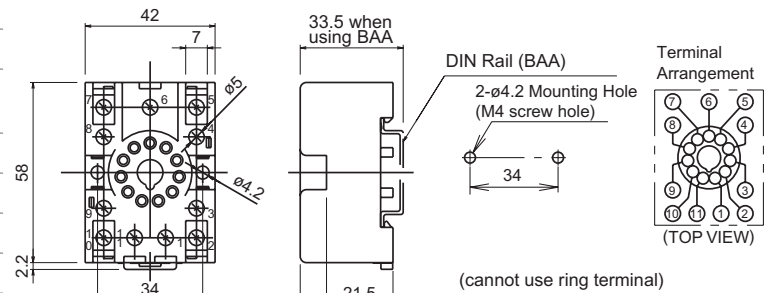
## F

## Sockets



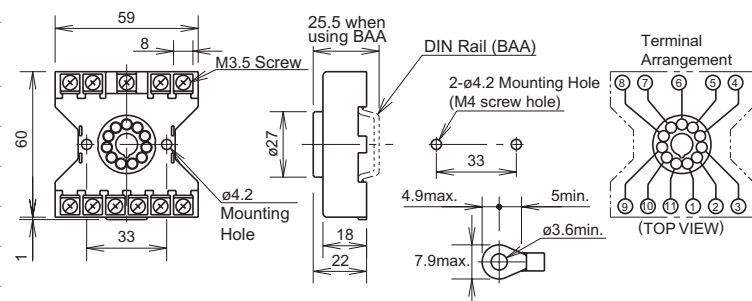
## SR3P-05C Fingersafe

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| <b>Style</b>             | 11-pin octal, snap-mount/surface mount                            |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                            |
| <b>Electrical Rating</b> | 300V, 10A                                                         |
| <b>Compatible Relay</b>  | RR3PA, *RR2KP (*latching relay)                                   |
| <b>Compatible Timer</b>  | GT3 (11-pin), RTE-P2                                              |
| <b>Hold-Down Spring</b>  | SR3B-02F1 for RR3PA; SR3P-06F3 for RR2KP                          |
| <b>Hold-Down Clip</b>    | SFA-203 (Timers)                                                  |



## SR3P-06

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Style</b>             | 11-pin octal, snap-mount/surface mount                |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                |
| <b>Electrical Rating</b> | 300V, 10A                                             |
| <b>Compatible Relay</b>  | RR3PA, *RR2KP (*latching relay)                       |
| <b>Compatible Timer</b>  | GT3 (11-pin), RTE-P2                                  |
| <b>Hold-Down Spring</b>  | SR3B-02F1 for RR3PA; SR3P-06F3 for RR2KP              |
| <b>Hold-Down Clip</b>    | SFA-202 (Timers)                                      |



1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

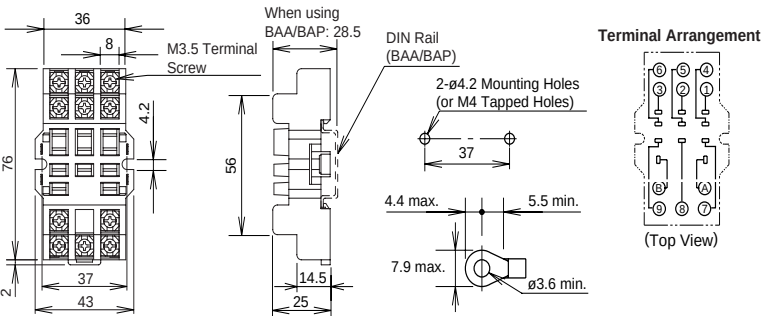
All dimensions are in mm.

## SR3B Sockets



### SR3B-05

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Style</b>             | 11-blade, snap-mount/surface mount                    |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                |
| <b>Electrical Rating</b> | 300V, 15A (10A)* (*denotes CSA rating)                |
| <b>Compatible Relay</b>  | RR1BA, RR2BA, RR3B                                    |
| <b>Compatible Timer</b>  | RTE-B                                                 |
| <b>Hold-Down Spring</b>  | SR3B-02F1 (relays)                                    |
| <b>Hold-Down Clip</b>    | SFA-202 (relays and timers)                           |



All dimensions are in mm.



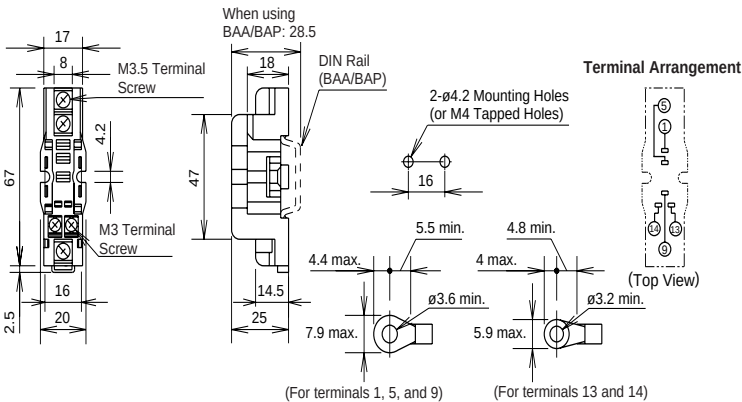
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

SH Series: DIN Rail Snap-Mount Sockets

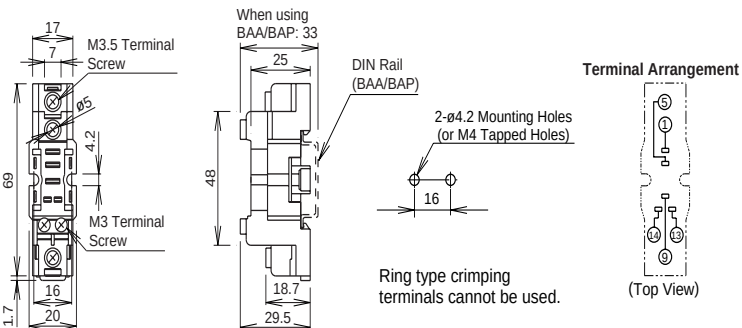
SH1B Sockets



|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| <b>SH1B-05</b>    |                                                                                                   |
| Style             | 5-blade, snap-mount/surface mount                                                                 |
| Terminal/Torque   | (Coil) M3 screws/(5.5 - 9 in•lbs) (contact) M3.5 screws (9 - 11.5 in•lbs) with captive wire clamp |
| Wire Size         | Maximum up to 2-#12AWG                                                                            |
| Electrical Rating | 250V, 10A                                                                                         |
| Compatible Relay  | RH1B                                                                                              |
| Hold-Down Spring  | SY2S-02F1                                                                                         |
| Hold-Down Clip    | SFA-101 (top notch), SFA-202 (side notch)                                                         |



|                            |                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>SH1B-05C Fingersafe</b> |                                                                                                               |
| Style                      | 5-blade, snap-mount/surface mount                                                                             |
| Terminal/Torque            | (Coil) M3 screws/(5.5 - 9 in•lbs) (contact) M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in•lbs) |
| Wire Size                  | Maximum up to 2-#12AWG                                                                                        |
| Electrical Rating          | 250V, 10A                                                                                                     |
| Compatible Relay           | RH1B                                                                                                          |
| Hold-Down Spring           | SY2S-02F1                                                                                                     |
| Hold-Down Clip             | SFA-101 (top notch), SFA-202 (side notch)                                                                     |



1. For socket mounting accessories, see page F-29.  
2. For hold-down clip/spring selections, see page F-4.

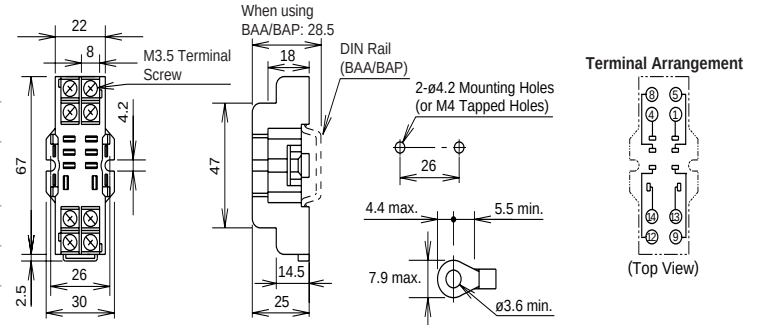
All dimensions are in mm.

### SH2B Sockets



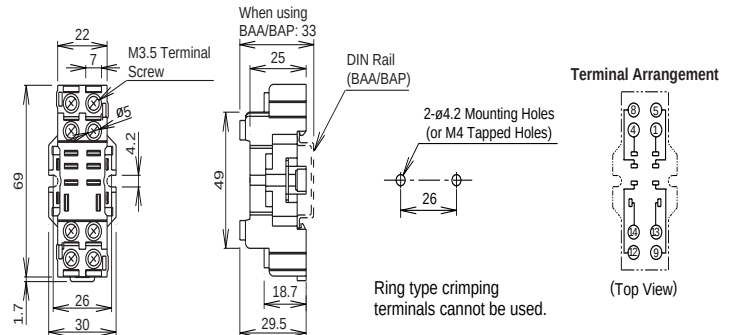
#### SH2B-05

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Style</b>             | 8-blade, snap-mount/surface mount                     |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                |
| <b>Electrical Rating</b> | 300V, 10A                                             |
| <b>Compatible Relay</b>  | RH2B                                                  |
| <b>Hold-Down Spring</b>  | SY4S-02F1                                             |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch)             |



#### SH2B-05C Fingersafe

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| <b>Style</b>             | 8-blade, snap-mount/surface mount                                  |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp, finger-safe (9 - 11.5 in•lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                             |
| <b>Electrical Rating</b> | 300V, 10A                                                          |
| <b>Compatible Relay</b>  | RH2B                                                               |
| <b>Hold-Down Spring</b>  | SY4S-02F1                                                          |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch)                          |



1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

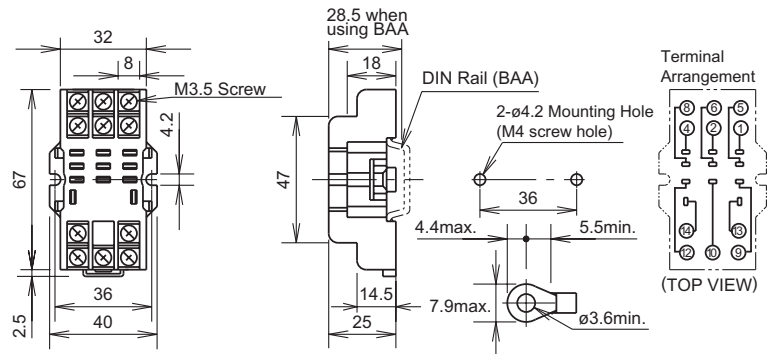
All dimensions are in mm.

## SH3B Sockets



## SH3B-05

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| <b>Style</b>             | 11-blade, snap-mount/surface mount                      |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in • lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                  |
| <b>Electrical Rating</b> | 300V, 10A                                               |
| <b>Compatible Relay</b>  | RH3B, RH2LB                                             |
| <b>Hold-Down Spring</b>  | SH3B-05F1                                               |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch)               |



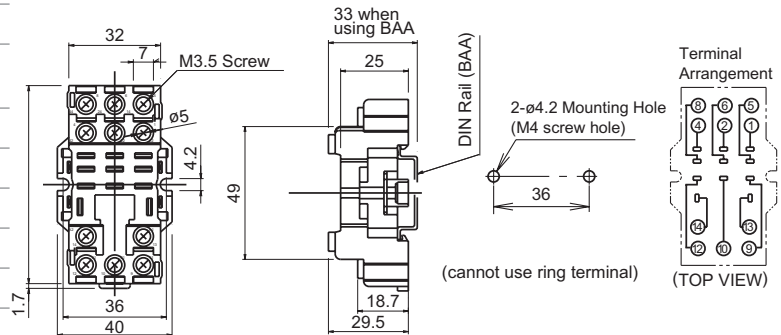
F

Sockets



## SH3B-05C Fingersafe

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| <b>Style</b>             | 11-blade, snap-mount/surface mount                                  |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                              |
| <b>Electrical Rating</b> | 300V, 10A                                                           |
| <b>Compatible Relay</b>  | RH3B, RH2LB                                                         |
| <b>Hold-Down Spring</b>  | SH3B-05F1                                                           |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch)                           |



1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

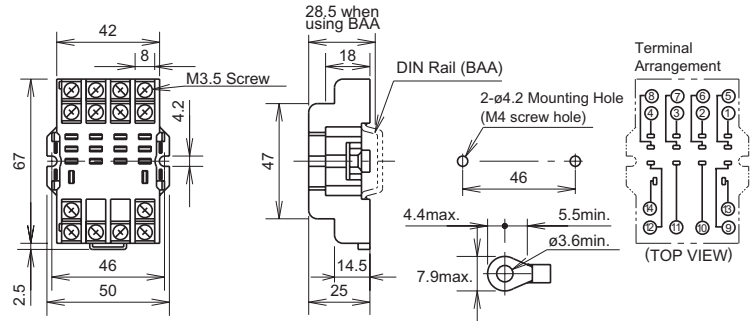
All dimensions are in mm.

### SH4B Sockets



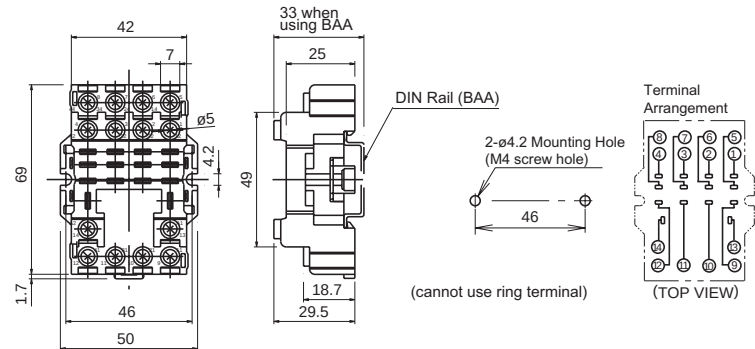
#### SH4B-05

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| <b>Style</b>             | 14-blade, snap-mount/surface mount                      |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp (9 - 11.5 in • lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                  |
| <b>Electrical Rating</b> | 300V, 10A                                               |
| <b>Compatible Relay</b>  | RH4B                                                    |
| <b>Hold-Down Spring</b>  | SH4B-02F1                                               |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch)               |



#### SH4B-05C Fingersafe

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| <b>Style</b>             | 14-blade, snap-mount/surface mount                                  |
| <b>Terminal/Torque</b>   | M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs) |
| <b>Wire Size</b>         | Maximum up to 2-#12AWG                                              |
| <b>Electrical Rating</b> | 300V, 10A                                                           |
| <b>Compatible Relay</b>  | RH4B                                                                |
| <b>Hold-Down Spring</b>  | SH4B-02F1                                                           |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch)                           |



1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

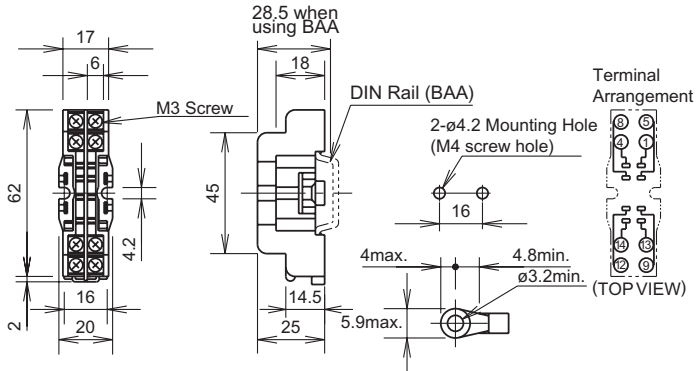
All dimensions are in mm.

SY Series: DIN Rail Snap-Mount Sockets

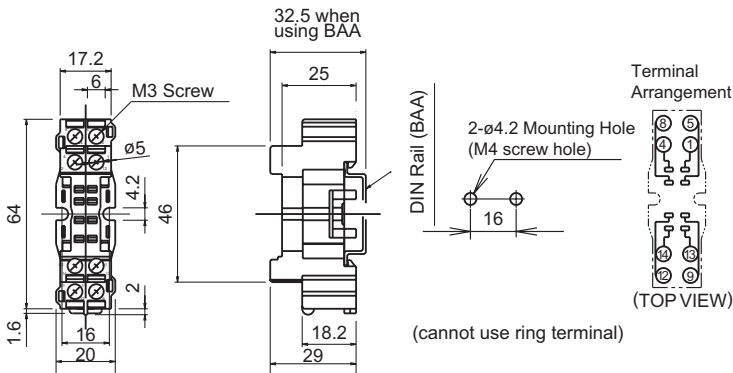
SY2S Sockets



|                   |                                                     |
|-------------------|-----------------------------------------------------|
| <b>SY2S-05</b>    |                                                     |
| Style             | 8-blade, snap-mount/surface mount                   |
| Terminal/Torque   | M3 screws with captive wire clamp (5.5 - 9 in •lbs) |
| Wire Size         | Maximum up to 2-#14AWG                              |
| Electrical Rating | 300V, 7A                                            |
| Compatible Relay  | RY2S, RY22S                                         |
| Hold-Down Spring  | SY2S-02F1                                           |
| Hold-Down Clip    | SFA-101 (top notch), SFA-202 (side notch)           |



|                            |                                                                 |
|----------------------------|-----------------------------------------------------------------|
| <b>SY2S-05C Fingersafe</b> |                                                                 |
| Style                      | 8-blade, snap-mount/surface mount                               |
| Terminal/Torque            | M3 screws with captive wire clamp, fingersafe (5.5 - 9 in •lbs) |
| Wire Size                  | Maximum up to 2-#14AWG                                          |
| Electrical Rating          | 300V, 7A                                                        |
| Compatible Relay           | RY2S, RY22S                                                     |
| Hold-Down Spring           | SY2S-02F1                                                       |
| Hold-Down Clip             | SFA-101 (top notch), SFA-202 (side notch)                       |



- 1. For socket mounting accessories, see page F-29.
- 2. For hold-down clip/spring selections, see page F-4.

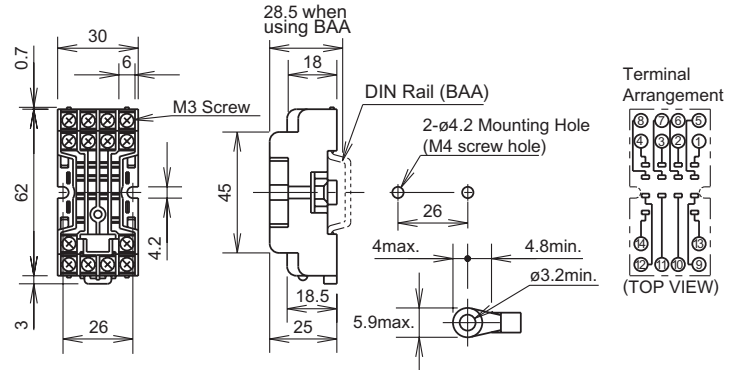
All dimensions are in mm.

## SY4S Sockets



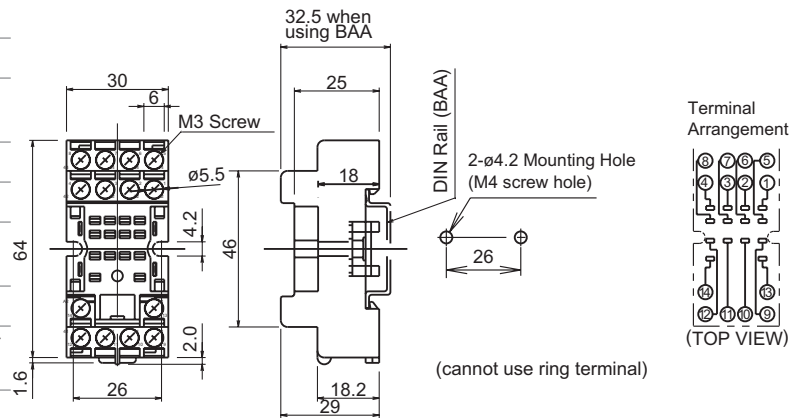
### SY4S-05

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| <b>Style</b>             | 14-blade, snap-mount/surface mount                                  |
| <b>Terminal/Torque</b>   | M3 screw with captive wire clamp (5.5 - 9 in•lbs)                   |
| <b>Wire Size</b>         | Maximum up to 2-#14AWG                                              |
| <b>Electrical Rating</b> | 300V, 7A                                                            |
| <b>Compatible Relay</b>  | RY4S, RY42S, RU4S, RU42S, RM2S, *RY2KS, (*latching relay)           |
| <b>Compatible Timer</b>  | GT5Y                                                                |
| <b>Hold-Down Spring</b>  | SY4S-51F1 for all relays; SY4S-51F3 for RY2KS only                  |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch) for all relays and timers |



### SY4S-05C Fingersafe

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| <b>Style</b>             | 14-blade, snap-mount/surface mount                                  |
| <b>Terminal/Torque</b>   | M3 screw with captive wire clamp, fingersafe (5.5 - 9 in•lbs)       |
| <b>Wire Size</b>         | Maximum up to 2-#14AWG                                              |
| <b>Electrical Rating</b> | 300V, 7A                                                            |
| <b>Compatible Relay</b>  | RY4S, RY42S, RM2S, RU4S, RU42S, *RY2KS, (*latching relay)           |
| <b>Compatible Timer</b>  | GT5Y                                                                |
| <b>Hold-Down Spring</b>  | SY4S-51F1 for all relays; SY4S-51F3 for RY2KS only                  |
| <b>Hold-Down Clip</b>    | SFA-101 (top notch), SFA-202 (side notch) for GT5Y timer and relays |



All dimensions are in mm.

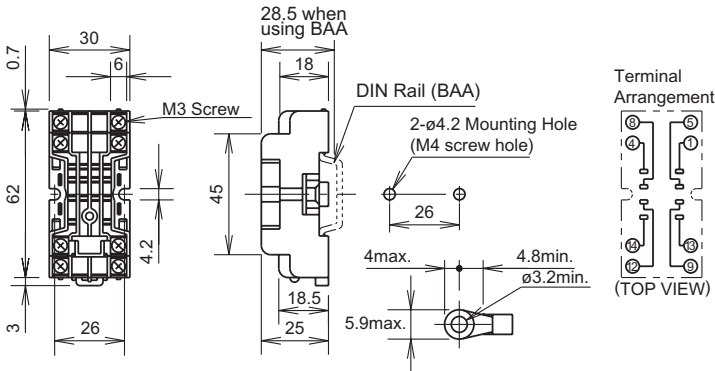


1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

SM2S Sockets



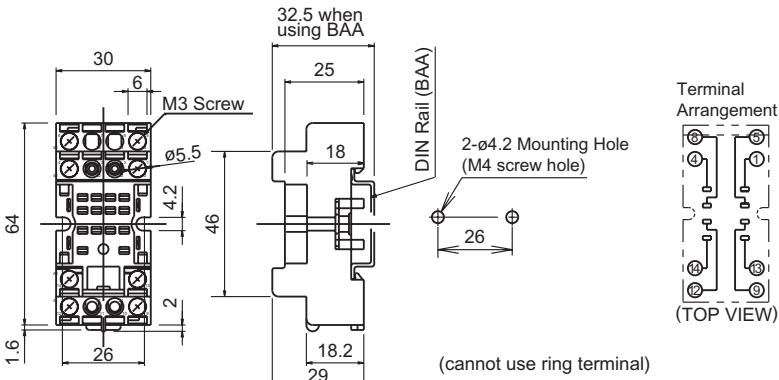
|                   |                                                   |
|-------------------|---------------------------------------------------|
| <b>SM2S-05</b>    |                                                   |
| Style             | 8-blade, snap-mount/surface mount                 |
| Terminal/Torque   | M3 screw with captive wire clamp (5.5 - 9 in•lbs) |
| Wire Size         | Maximum up to 2-#14AWG                            |
| Electrical Rating | 300V, 10A                                         |
| Compatible Relay  | RU2S, RM2S                                        |
| Compatible Timer  | —                                                 |
| Hold-Down Spring  | SY4S-51F1                                         |
| Hold-Down Clip    | SFA-101 (top notch), SFA-202 (side notch)         |



Sockets



|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| <b>SM2S-05C Fingersafe</b> |                                                               |
| Style                      | 8-blade, snap-mount/surface mount                             |
| Terminal/Torque            | M3 screw with captive wire clamp, fingersafe (5.5 - 9 in•lbs) |
| Wire Size                  | Maximum up to 2-#14AWG                                        |
| Electrical Rating          | 300V, 10A                                                     |
| Compatible Relay           | RU2S, RM2S                                                    |
| Compatible Timer           | —                                                             |
| Hold-Down Spring           | SY4S-51F1                                                     |
| Hold-Down Clip             | SFA-101 (top notch), SFA-202 (side notch)                     |



All dimensions are in mm.



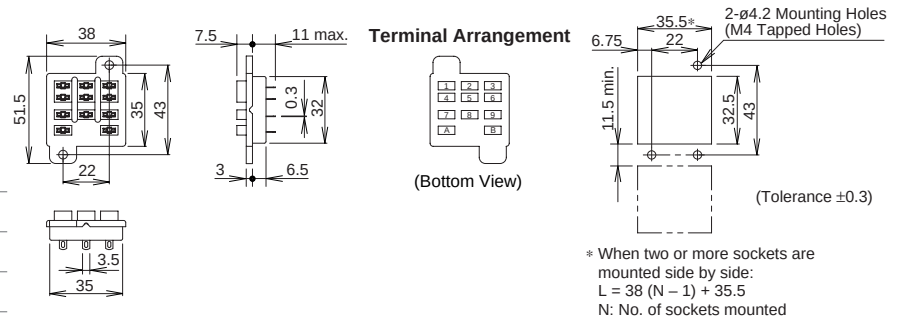
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## SR Series: Panel Mount Sockets



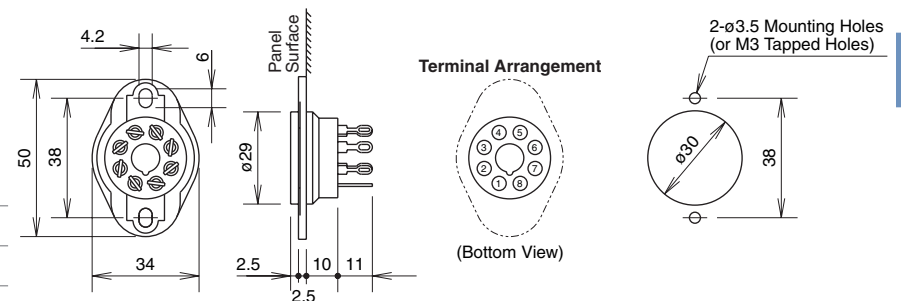
### SR3B-51

|                          |                             |
|--------------------------|-----------------------------|
| <b>Style</b>             | 11-blade, panel mount       |
| <b>Terminal</b>          | Solder                      |
| <b>Electrical Rating</b> | 300V, 10A                   |
| <b>Compatible Relay</b>  | RR1BA, RR2BA, RR3B          |
| <b>Compatible Timer</b>  | RTE-B                       |
| <b>Hold-Down Spring</b>  | SR3B-02F1 (for relays only) |



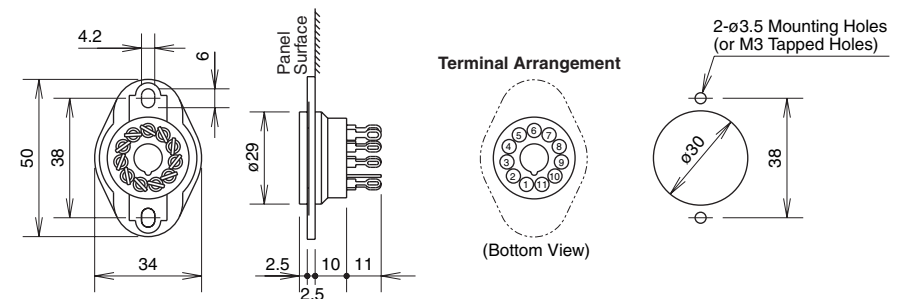
### SR2P-51

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <b>Style</b>             | 8-pin octal, panel mount                      |
| <b>Terminal</b>          | Solder                                        |
| <b>Electrical Rating</b> | 300V, 10A                                     |
| <b>Compatible Relay</b>  | RR2P                                          |
| <b>Compatible Timer</b>  | RTE-P1, GT3 (8-pin), GT5P                     |
| <b>Hold-Down Spring</b>  | SR3P-01F1 (for relay only)                    |
| <b>Hold-Down Clip</b>    | SFA-402 (for GT3 8-pin)<br>SFA-302 (for GT5P) |



### SR3P-51

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Style</b>             | 11-pin octal, panel mount                  |
| <b>Terminal</b>          | Solder                                     |
| <b>Electrical Rating</b> | 300V, 10A                                  |
| <b>Compatible Relay</b>  | RR3PA, *RR2KP<br>(*latching relay)         |
| <b>Compatible Timer</b>  | GT3 (11-pin), RTE-P2                       |
| <b>Hold-Down Spring</b>  | SR3P-01F1 for RR3PA<br>SR3P-51F3 for RR2KP |
| <b>Hold-Down Clip</b>    | SFA-402 (for GT3 11-pin,<br>RTE-P2)        |



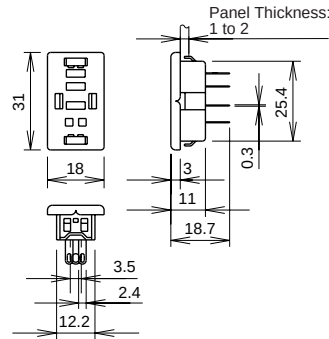
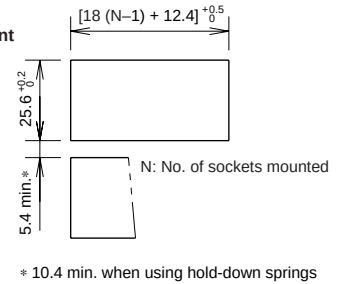
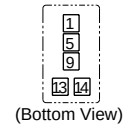
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

All dimensions are in mm.

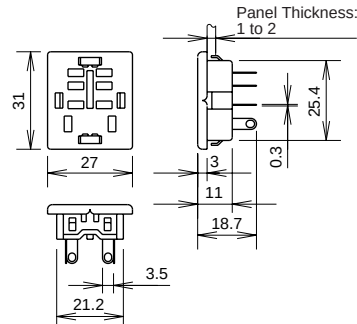
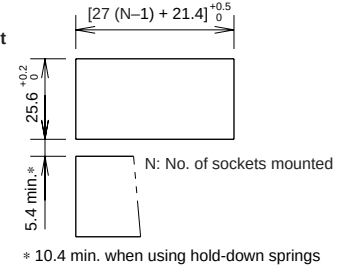
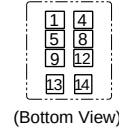
## SH Series: Panel Mount Sockets

**SH1B-51**

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 5-blade, panel mount                         |
| <b>Terminal</b>          | Solder                                       |
| <b>Electrical Rating</b> | 300V, 10A                                    |
| <b>Compatible Relay</b>  | RH1B                                         |
| <b>Hold-Down Spring</b>  | SY4S-51F1                                    |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |

**Terminal Arrangement****F****Sockets****SH2B-51**

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 8-blade, panel mount                         |
| <b>Terminal</b>          | Solder                                       |
| <b>Electrical Rating</b> | 300V, 10A                                    |
| <b>Compatible Relay</b>  | RH2B                                         |
| <b>Hold-Down Spring</b>  | SY4S-51F1<br>SY4S-02F1 for RH2B-4C           |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |

**Terminal Arrangement**

All dimensions are in mm.



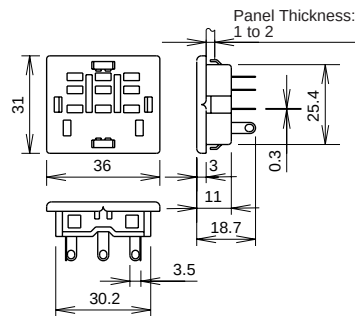
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## SH Series: Panel Mount Sockets, continued

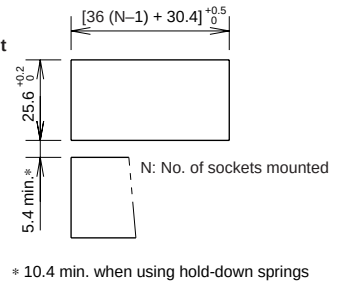
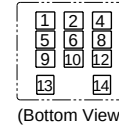


### SH3B-51

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 11-blade, panel mount                        |
| <b>Terminal</b>          | Solder                                       |
| <b>Electrical Rating</b> | 300V, 10A                                    |
| <b>Compatible Relay</b>  | RH3B, *RH2LB<br>(*latching relay)            |
| <b>Hold-Down Spring</b>  | SY4S-51F1<br>SY4S-02F1 for RH3B-4C           |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |

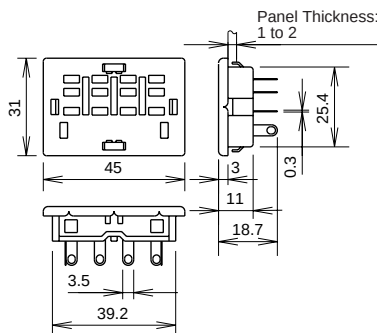


#### Terminal Arrangement

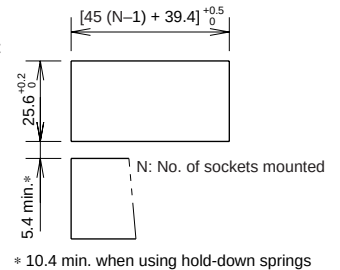
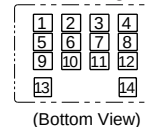


### SH4B-51

|                          |                       |
|--------------------------|-----------------------|
| <b>Style</b>             | 14-blade, panel mount |
| <b>Terminal</b>          | Solder                |
| <b>Electrical Rating</b> | 300V, 10A             |
| <b>Compatible Relay</b>  | RH4B                  |
| <b>Hold-Down Spring</b>  | SY4S-51F1, SY4S-02F1  |
| <b>Hold-Down Clip</b>    | SFA-301, SFA-302      |



#### Terminal Arrangement



All dimensions are in mm.

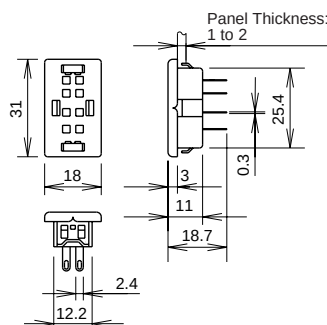
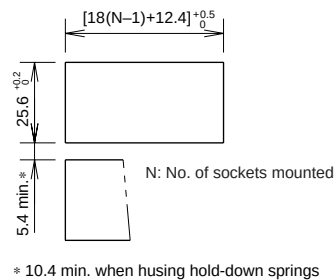
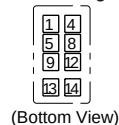


1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## SY Series: Panel Mount Sockets

**SY2S-51**

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 8-blade, panel mount                         |
| <b>Terminal</b>          | Solder                                       |
| <b>Electrical Rating</b> | 300V, 7A                                     |
| <b>Compatible Relay</b>  | RY2S, RY22S                                  |
| <b>Hold-Down Spring</b>  | SY4S-51F1                                    |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |

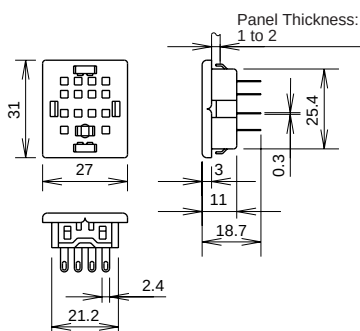
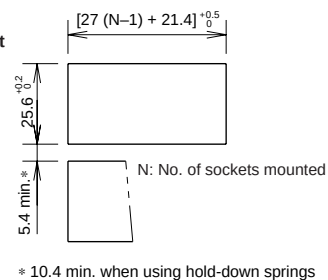
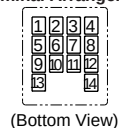
**Terminal Arrangement**

F

Sockets

**SY4S-51**

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| <b>Style</b>             | 14-blade, panel mount                                               |
| <b>Terminal</b>          | Solder                                                              |
| <b>Electrical Rating</b> | 300V, 7A                                                            |
| <b>Compatible Relay</b>  | RY4S, RY42S, RM2S,<br>RY2KS, RU4S, RU2S,<br>RU42S                   |
| <b>Compatible Timer</b>  | GT5Y                                                                |
| <b>Hold-Down Spring</b>  | SY4S-51F1 for all<br>relays except;<br>SY4S-02F3 for RY2KS<br>relay |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch)                        |

**Terminal Arrangement**

All dimensions are in mm.



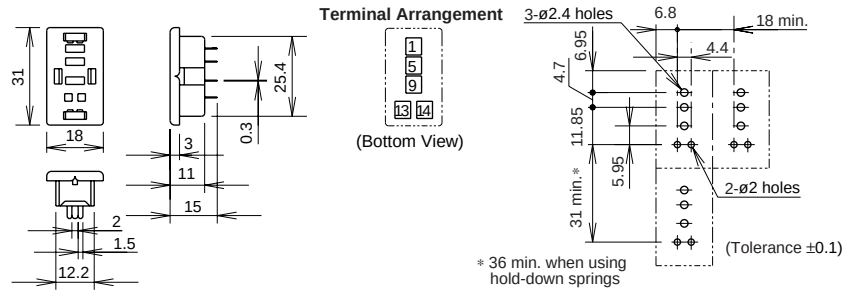
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## SH Series: PC Board Mount Sockets



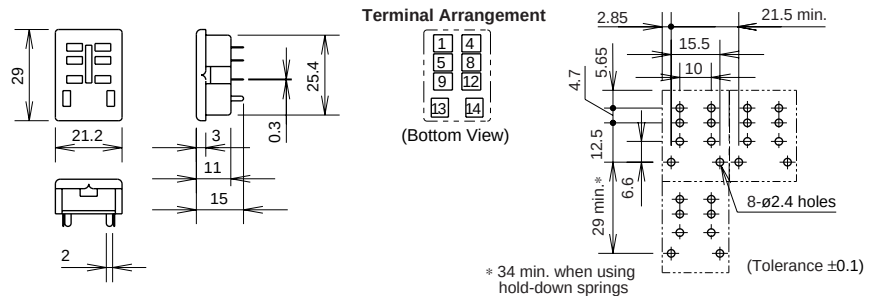
### SH1B-62

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 5-blade                                      |
| <b>Terminal</b>          | Solder/PCB mount                             |
| <b>Electrical Rating</b> | 250V, 10A                                    |
| <b>Compatible Relay</b>  | RH1B                                         |
| <b>Hold-Down Spring</b>  | SY4S-51F1                                    |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |



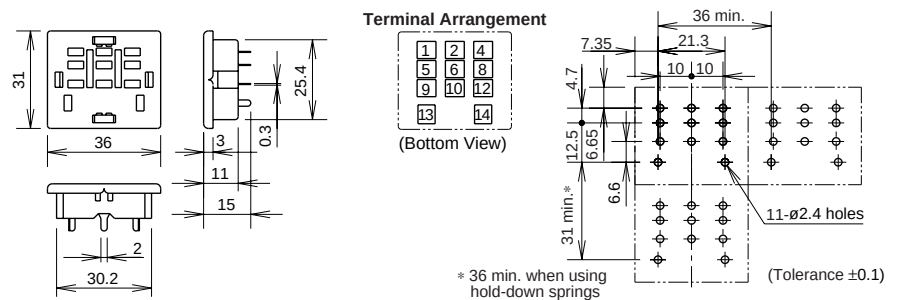
### SH2B-62

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 8-blade                                      |
| <b>Terminal</b>          | Solder/PCB mount                             |
| <b>Electrical Rating</b> | 300V, 10A                                    |
| <b>Compatible Relay</b>  | RH2B                                         |
| <b>Hold-Down Spring</b>  | SY4S-51F1, SY4S-02F1                         |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |



### SH3B-62

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Style</b>             | 11-blade                                     |
| <b>Terminal</b>          | Solder/PCB mount                             |
| <b>Electrical Rating</b> | 300V, 10A                                    |
| <b>Compatible Relay</b>  | RH3B, *RH2LB<br>(*latching relay)            |
| <b>Hold-Down Spring</b>  | SY4S-51F1, SY4S-02F1                         |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch),<br>SFA-302 (side notch) |



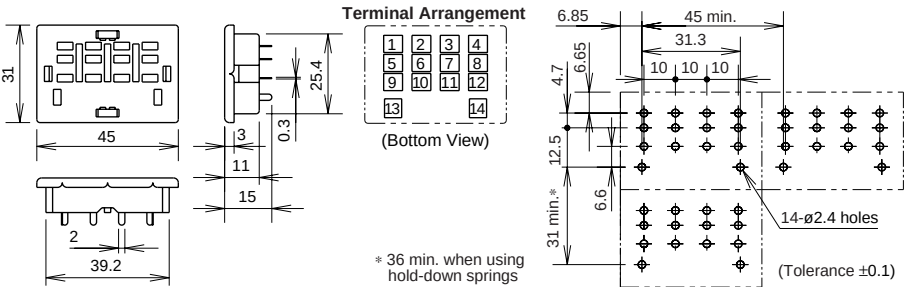
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

All dimensions are in mm.

SH Series: PC Board Mount Sockets, continued



|                   |                                              |
|-------------------|----------------------------------------------|
| <b>SH4B-62</b>    |                                              |
| Style             | 14-blade                                     |
| Terminal          | Solder/PCB mount                             |
| Electrical Rating | 300V, 10A                                    |
| Compatible Relay  | RH4B                                         |
| Hold-Down Springs | SY4S-51F1, SH4B-02F1                         |
| Hold-Down Clip    | SFA-301 (top notch),<br>SFA-302 (side notch) |

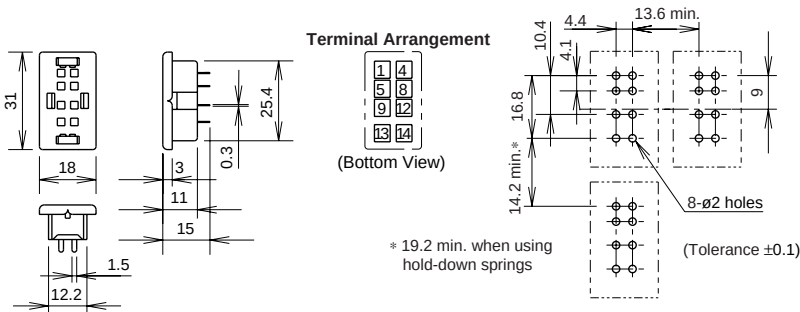


F  
Sockets

SY Series: PC Board Mount Sockets



|                   |                                              |
|-------------------|----------------------------------------------|
| <b>SY2S-61</b>    |                                              |
| Style             | 8-blade                                      |
| Terminal          | Solder/PCB mount                             |
| Electrical Rating | 300V, 7A                                     |
| Compatible Relay  | RY2S, RY22S                                  |
| Hold-Down Spring  | SY4S-51F1                                    |
| Hold-Down Clip    | SFA-301 (top notch),<br>SFA-302 (side notch) |



All dimensions are in mm.

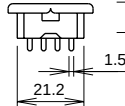
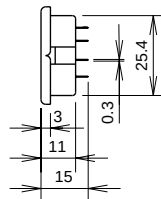
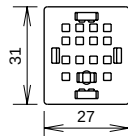
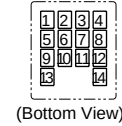


1. For socket mounting accessories, see page F-29.  
2. For hold-down clip/spring selections, see page F-4.

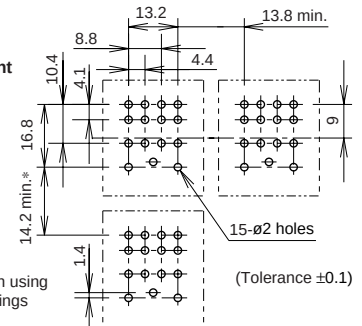
## SY Series: PC Mount Sockets, continued


**SY4S-61**

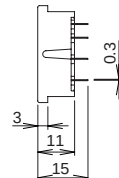
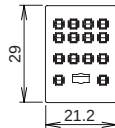
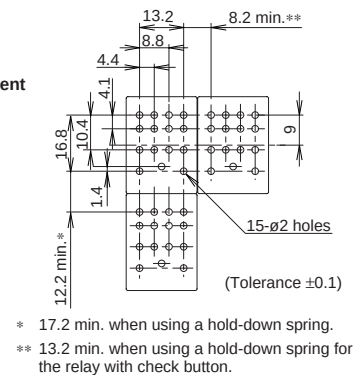
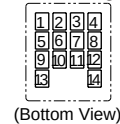
|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| <b>Style</b>             | 14-blade                                                                      |
| <b>Terminal</b>          | Solder/PCB mount                                                              |
| <b>Electrical Rating</b> | 300V, 7A                                                                      |
| <b>Compatible Relay</b>  | RY4S, RY42S, RM2S,<br>*RY2KS, RU4S, RU42S, RU2S<br>(*latching relay)          |
| <b>Compatible Timer</b>  | GT5Y                                                                          |
| <b>Hold-Down Spring</b>  | SY4S-51F1, SY4S-02F1                                                          |
| <b>Hold-Down Clip</b>    | SFA-301 (top notch; except<br>GT5Y and RY2KS)<br>SFA-302 (side notch for all) |


**Terminal Arrangement**


\* 19.2 min. when using  
hold-down springs


**SY4S-62**

|                          |                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Style</b>             | 14-blade                                                                                                       |
| <b>Terminal</b>          | Solder/PCB mount                                                                                               |
| <b>Electrical Rating</b> | 250V, 7A                                                                                                       |
| <b>Compatible Relay</b>  | RY4S, RY42S, RU4S,<br>RU42S, *RY2KS<br>(*latching relay)                                                       |
| <b>Compatible Timer</b>  | GT5Y                                                                                                           |
| <b>Hold-Down Spring</b>  | SY4S-51F1, SY4S-51F3,<br>SY4S-51F4, *SY4S-02F1,<br>*SY4S-02F3<br>(*when mounting a relay<br>with check button) |


**Terminal Arrangement**


All dimensions are in mm.

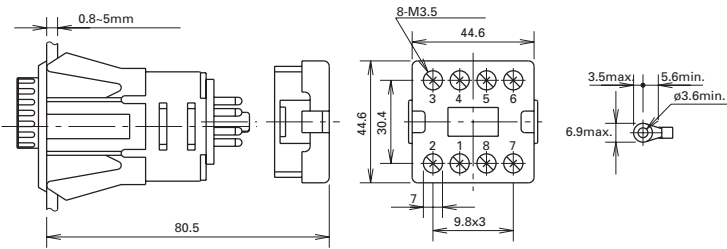


1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

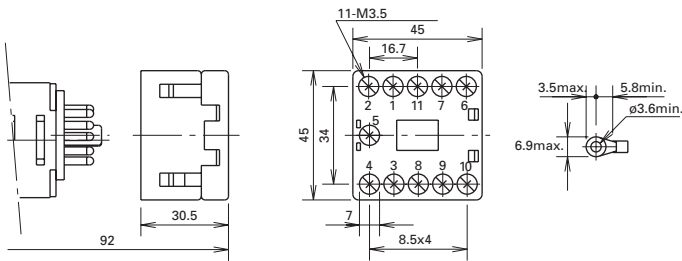
SR Series: Socket for Panel Mounted Timers



|                   |                                     |
|-------------------|-------------------------------------|
| <b>SR6P-M08G</b>  |                                     |
| Style             | 8-pin                               |
| Terminal          | M3.5 screws with captive wire clamp |
| Electrical Rating | 300V, 10A                           |
| Wire Size         | Maximum up to 2-#12AWG              |
| Compatible Timer  | GT3 (8-pin), RTE-P1, GE1A           |
| Hold-Down Spring  | SY4S-02F1                           |



|                   |                                     |
|-------------------|-------------------------------------|
| <b>SR6P-M11G</b>  |                                     |
| Style             | 11-pin                              |
| Terminal          | M3.5 screws with captive wire clamp |
| Electrical Rating | 300V, 10A                           |
| Wire Size         | Maximum up to 2-#12AWG              |
| Compatible Timer  | GT3 (11-pin), RTE-P2                |
| Hold-Down Spring  | -----                               |



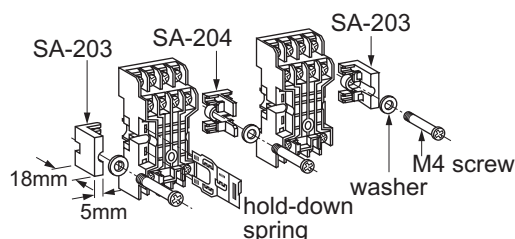
All dimensions are in mm.

F  
Sockets



1. For socket mounting accessories, see page F-29.  
2. For hold-down clip/spring selections, see page F-4.

## Accessories



| Description                                               | Appearance | Use with                                                  | Part No. | Remarks                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|------------|-----------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aluminum DIN Rail</b><br>(1 meter length)              |            | All DIN rail sockets                                      | BNDN1000 | IDEC offers a low-profile DIN rail (BNDN1000). The BNDN1000 is designed to accommodate snap-mount sockets. Made of durable extruded aluminum, the BNDN-1000 measures 0.413 in height and 1.37 (35mm) in width (DIN standard). Standard length is 39" (1,000mm). |
| <b>DIN Rail End Stop</b>                                  |            | DIN rail                                                  | BNL5     | 9.1 mm wide.                                                                                                                                                                                                                                                    |
| <b>Surface Mount End Connector</b>                        |            | SY2S, SY4S, SR3B, SH1B, SH2B, SH3B, SH4B                  | SA-203   | For use on ends of socket groupings when surface mounting.                                                                                                                                                                                                      |
|                                                           |            |                                                           | SA-204   | For use between adjoining sockets when surface mounting.                                                                                                                                                                                                        |
| <b>Surface Mount Connector</b>                            |            | SY2S, SY4S, SR3B, SH1B, SH2B, SH3B, SH4B                  | SA-405   | For use between adjoining sockets when surface mounting.                                                                                                                                                                                                        |
| <b>DIN Rail Spacer</b>                                    |            | All DIN rail sockets                                      | SA-406   |                                                                                                                                                                                                                                                                 |
| <b>Steel Mounting Plates</b><br>(for panel mount sockets) |            | SY4S-51, SH2B-51                                          | SA-402   | 11.42" length with 10 holes.                                                                                                                                                                                                                                    |
|                                                           |            | SY4S-51, SH2B-51                                          | SA-403   | 23.33" length with 21 holes.                                                                                                                                                                                                                                    |
| <b>Relay Holders</b>                                      |            | RH2B, RM2S, RY4S, RY42S, RU4S, RU42S                      | RH-01    | For diagram, see next page.                                                                                                                                                                                                                                     |
|                                                           |            | RY2S, RH1B                                                | RH-03    |                                                                                                                                                                                                                                                                 |
| <b>Replacement Hold-Down Spring Anchor</b>                |            | Horseshoe clip for all DIN rail sockets except SR*P-05(C) | Y778-011 | For use with hold-down springs (bale wire types) or DIN rail mount sockets. 2 pieces included with each socket.                                                                                                                                                 |
| <b>Hold-Down Spring for SR*P-05(C)</b>                    |            | Chair clip for SR*P-05(C)                                 | Y703-102 | For SR2P-05, SR2P-05C, SR3P-05, SR3P-05C                                                                                                                                                                                                                        |

**F**
**Sockets**

## Instructions

## Mounting Snap-Mount Sockets

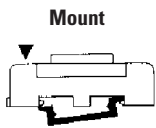


Figure 1

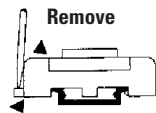


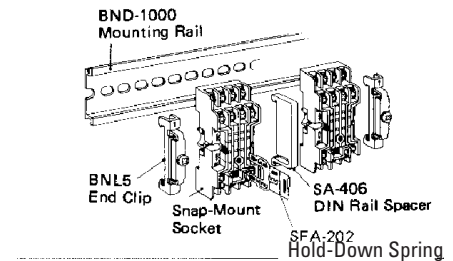
Figure 2

Snap-mount sockets are designed to mount on the BNDN-1000 mounting rail. The built-in mounting clip eliminates mounting hardware and reduces mounting time by 80%.

To mount see Figure 1. Place the end of the socket (end opposite of mounting clip against the outer edge of the rail). Press the socket down firmly until the clip snaps onto the mounting rail. To remove see Figure 2. Pull out the mounting clip with a screwdriver, and lift the socket.

For spacing between adjoining sockets, use the SA-406 DIN rail spacer. Spacers are 0.195" wide. Spacing can be adjusted according to the number of spacers added. Spacers snap on and off easily like snap-mount sockets.

To prevent side-to-side movement, use a BNL-5 end clip at **each** end of every socket row.



## Mounting Relay Holders

F

Sockets

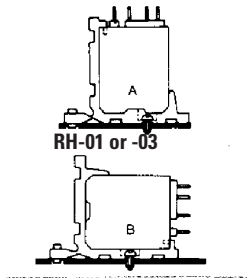


Figure 1

Mount directly onto panel boards in two alternate positions: A and B (see Figure 1).

To mount the relay into the holder, hook the bottom edge of the relay case (coil terminal side) onto the relay holder (see Figure 2).

Push down until the relay snaps into place.

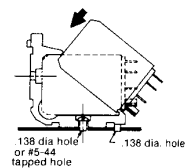


Figure 2

## Mounting Hold-Down Springs

Take the two anchor clips (horseshoe / U-shaped piece) that come with the socket and insert into the slits on both sides of the socket. Make sure the raised notches on the anchor clip face into the socket.

Plug relay into socket

Insert the open ends of the hold-down spring into either the first or second hole of the anchor clip. The relay-spring combination will determine which hole should be used.

Slide spring over relay.

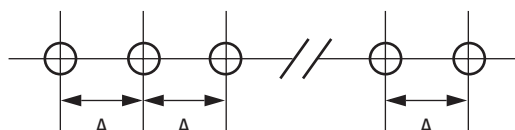
Dimensions

## Surface Mount Sockets (SH2B-02)

IDEC surface mount sockets (SH2B-02) are also designed to mount individually or collectively on a flat surface without the use of a DIN rail. Use the mounting screw between adjoining sockets and at the outer ends of the row of sockets.

### Dimension Table

| Socket Part No. | Dimension A |
|-----------------|-------------|
| SH2B-02         | 1.14"       |



1. Drawing is not to scale.

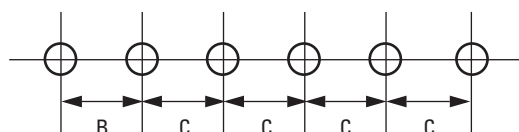
## Snap-Mount Sockets

Snap-mount sockets are designed to mount individually or collectively without using a rail. Use a SA-405 connector or SA-204 connector between adjoining sockets (see Figures 1 and 2). Use the SA-203 end connector at the outer ends of each socket row when using the SA-204 connector (see Figure 2).

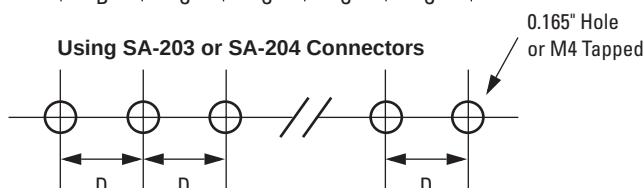
### Dimension Table

| Socket Part No.   | Dim. B | Dim. C | Dim. D |
|-------------------|--------|--------|--------|
| SY2S-05, SY2S-05C | 0.669" | 0.826" | 0.866" |
| SY4S-05, SY4S-05C | 1.024" | 1.181" | 1.220" |
| SR3B-05           | 1.496" | 1.693" | 1.732" |
| SH1B-05, SH1B-05C | 0.630" | 0.787" | 0.827" |
| SH2B-05, SH2B-05C | 1.024" | 1.181" | 1.220" |
| SH3B-05, SH3B-05C | 1.417" | 1.575" | 1.614" |
| SH4B-05, SH4B-05C | 1.811" | 1.969" | 2.008" |

#### Using an SA-406 Connector



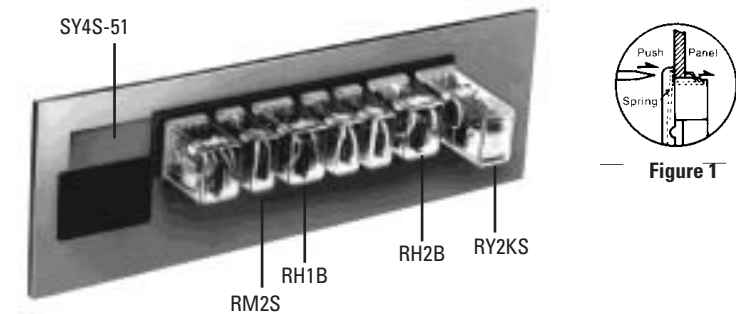
#### Using SA-203 or SA-204 Connectors



2. Drawings are not to scale.

Dimensions, continued

Collective Panel Mounting



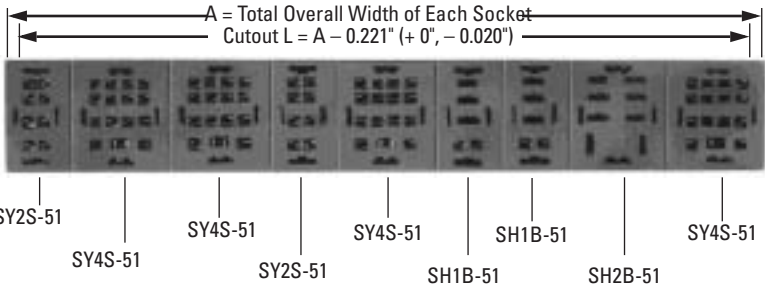
SH and SY series panel mount sockets are designed to mount collectively in panel cut-outs. Insert socket with mounting springs facing the top and bottom edge of the panel cut-out. Push the socket until the mounting spring clips onto the panel. (See Figure 1.)

| Dimension Table |        |                         |
|-----------------|--------|-------------------------|
| Part No.        | Width  | Relay                   |
| SY4S-51         | 1.063" | RY4S, RY42, RY2KS, RM2S |
| SH4B-51         | 1.772" | RH4B                    |
| SH3B-51         | 1.418" | RH3B, RH2LB             |
| SH2B-51         | 1.063" | RH2B                    |
| SH1B-51         | 0.709" | RH1B                    |
| SY2S-51         | 0.709" | RY2S, RY22S             |

How to Calculate Cutout Length (L)

Cutout L = A (Total Overall Width of Each Socket) – 0.221" (+ 0", – 0.020")

Example:



$L = [0.709" + 1.063" + 1.063" + 0.709" + 1.063" + 0.709" + 1.063" + 1.063"] - 0.221" = 7.93"$

$L = 7.93" (+ 0", - 0.020")$

Mounting Plate

