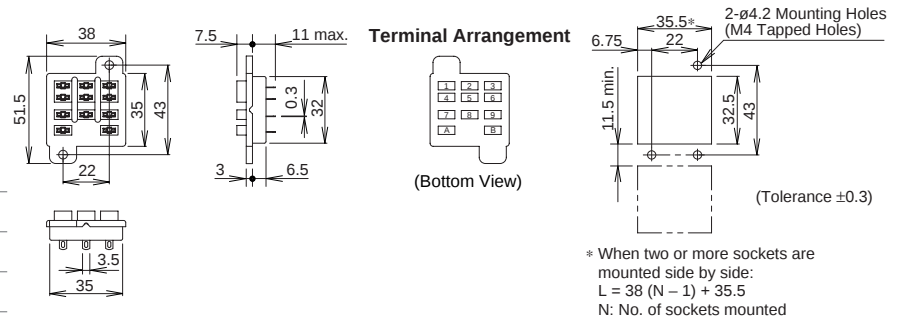


## SR Series: Panel Mount Sockets



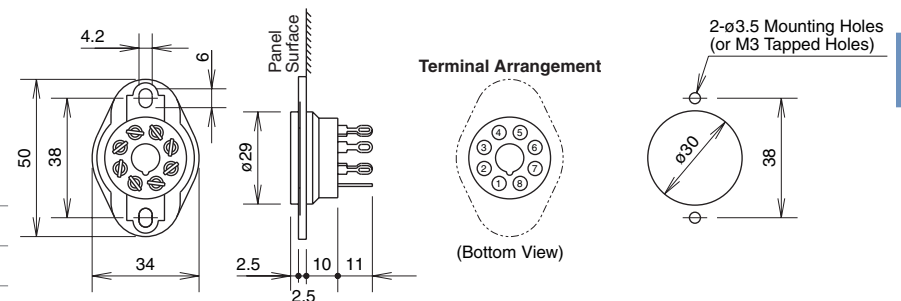
### SR3B-51

|                          |                             |
|--------------------------|-----------------------------|
| <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) |



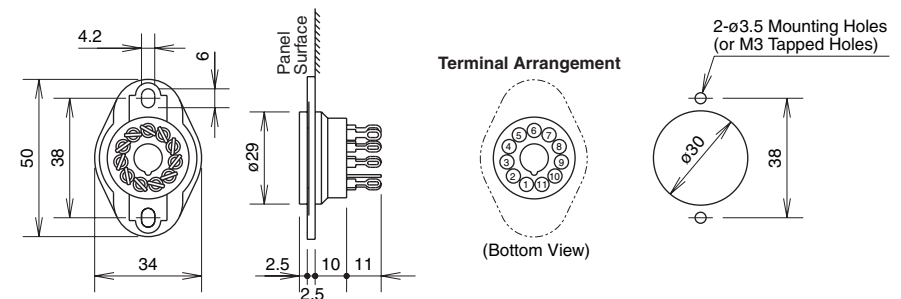
### SR2P-51

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <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)        |



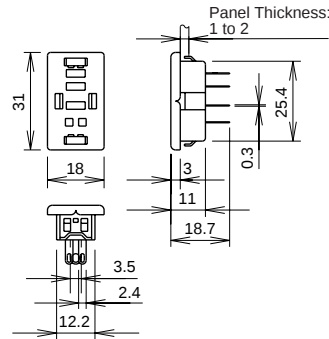
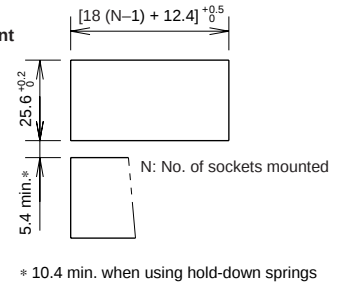
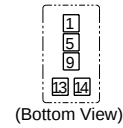
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

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) |

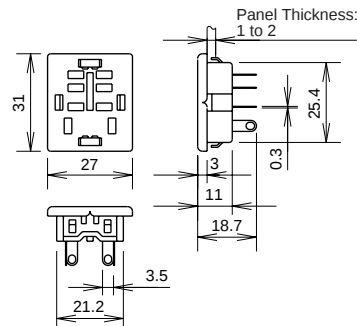
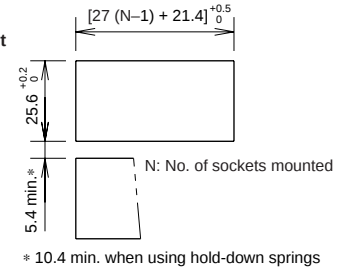
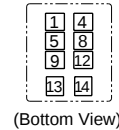
**Terminal Arrangement**

## 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.



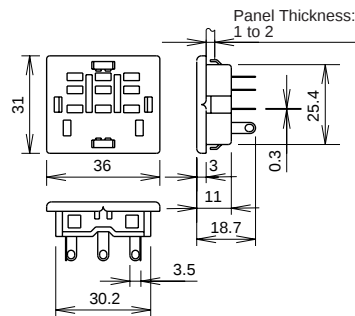
1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## SH Series: Panel Mount Sockets, continued

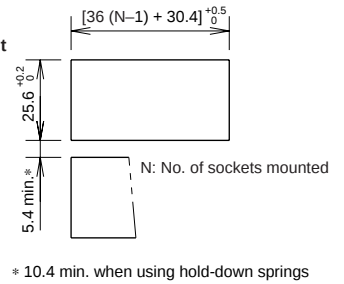
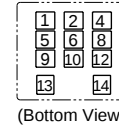


### SH3B-51

|                          |                                              |
|--------------------------|----------------------------------------------|
| <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) |

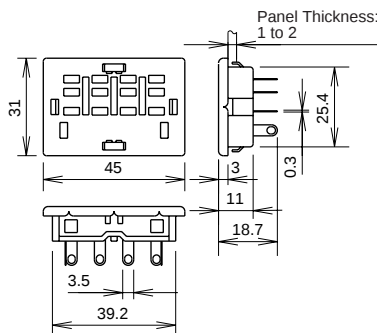


#### Terminal Arrangement

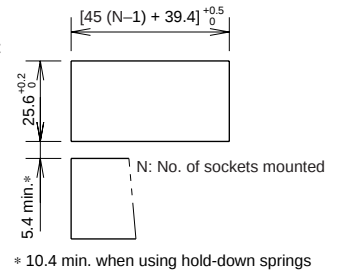
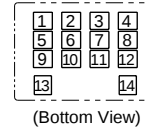


### SH4B-51

|                          |                       |
|--------------------------|-----------------------|
| <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.

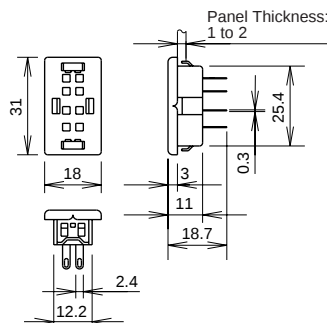
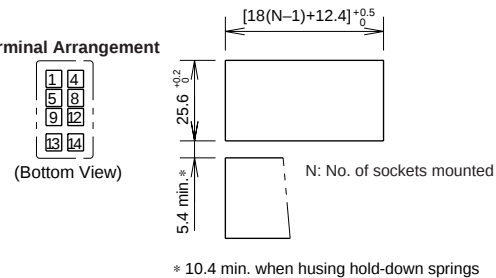


1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## 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) |

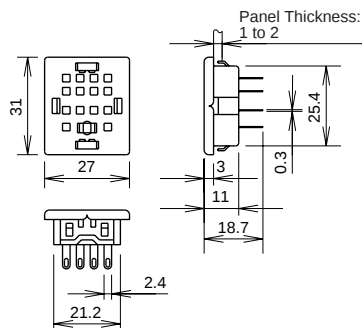
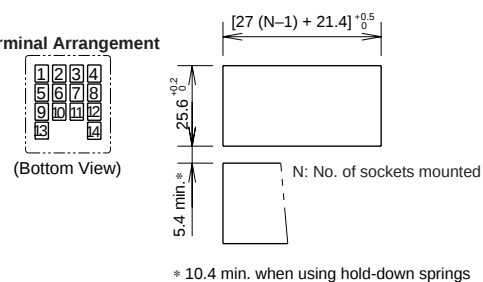
**Terminal Arrangement**

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)                        |

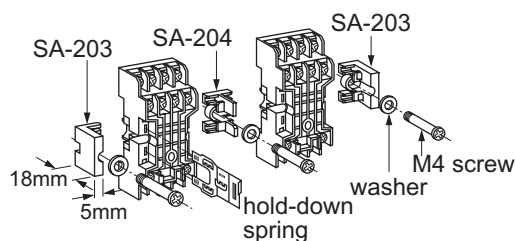
**Terminal Arrangement**

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.

## 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

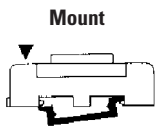


Figure 1

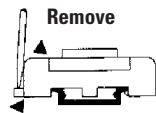


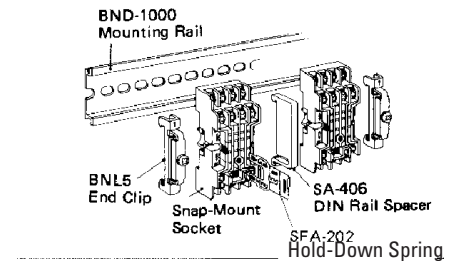
Figure 2

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

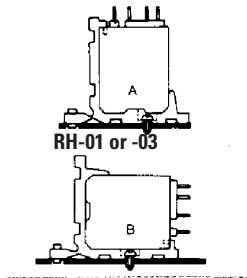


Figure 1

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.

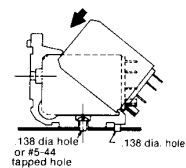


Figure 2

## 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.

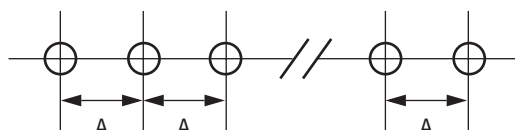
Dimensions

## 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.

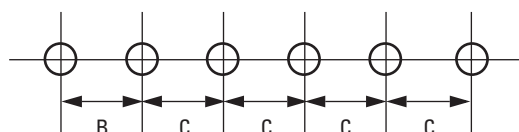
## Snap-Mount Sockets

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).

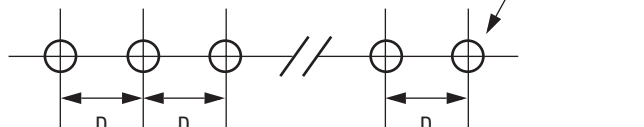
Dimension Table

| 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



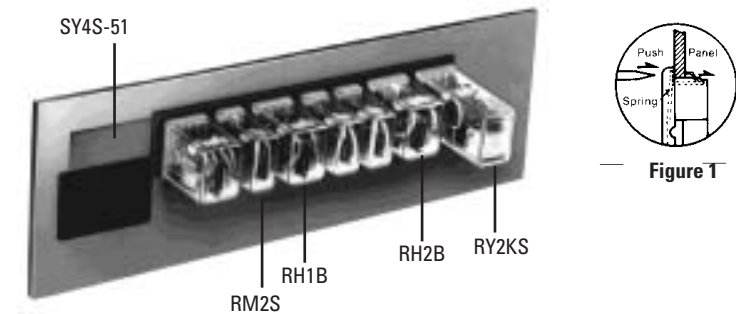
Using SA-203 or SA-204 Connectors



2. Drawings are not to scale.

Dimensions, continued

Collective Panel Mounting



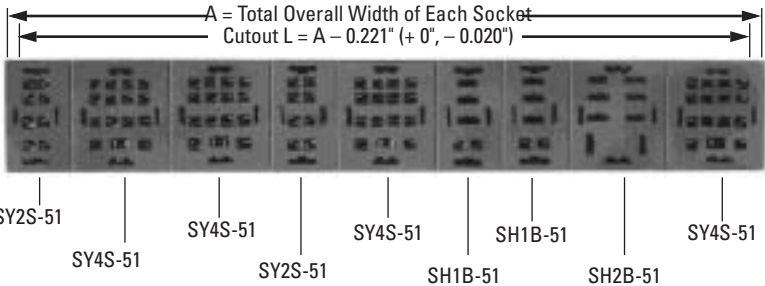
SH and SY series panel mount sockets are designed to mount collectively in panel cut-outs. Insert socket with mounting springs facing the top and bottom edge of the panel cut-out. Push the socket until the mounting spring clips onto the panel. (See Figure 1.)

| 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

