## Section



Din Rail Snap/Surface-Mount Sockets

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Accessories	<b>F-29</b>

Additional Web Resources

- New and updated product information
- Downloadable software demos & upgrades
- Part configuration tool & cross reference
- Online stock check & ordering
- IDEC field sales & distributor search
- Online literature request
- Downloadable manuals & CAD drawings
- Manufacturer's suggested retail price list
- Product training schedule & locations
- Advertising & trade show schedules

Spec Tech Industrial 203 Vest Ave. Valley Park, MO 63088Phone: 888 SPECTECHEmail: sales@spectechind.comwww.spectechind.com

#### Selection Guide

#### **Relay and Timer Socket Selection Guide**

Sockets

Mounting	Series	Page	Part No.	No. of Poles	Receptacle	Terminal	Compatible IDEC Relay and Timer
DIN Rail Snap/Surface-Mount		5.0	SU2S-11L	2	8-Blade	Spring Clamp	RU2, RM2
land land	SU	F-6	SU4S-11L	4	14-Blade	Terminals	RU4, RU42, RY4, RY42
			SR2P-05 SR2P-05C SR2P-06	2	8-Pin		RR2P, GT5P, RTE-P1, GT3 (8-pin)
	SR	F-11	SR3P-05 SR3P-05C SR3P-06	3	11-Pin	M3.5 Screw	RR3PA, RR2KP, RTE-P2 GT3 (11-pin)
-			SR3B-05	3	11-Blade		RR1BA, RR2BA, RR3B, RTE-B
All Ann	2		SH1B-05 SH1B-05C	1	5-Blade	M3.5 Screw Coil Terminal: M3	RH1B
tered .			SH2B-05 SH2B-05C	2	8-Blade		RH2B
Allen and a	SH	F-14	SH3B-05 SH3B-05C	3	11-Blade	M3.5 Screw	RH3B, RH2LB
AND IN	ġ		SH4B-05 SH4B-05C	4	14-Blade		RH4B
	1		SY2S-05 SY2S-05C	2	8-Blade		RY2S, RY22S
	SY	F-18	SY4S-05 SY4S-05C	4	14-Blade	M3 Screw	RU4S, RU42S, RY4S, RY42S, RY2KS, RM2 GT5Y
ALLE X-	SM	F-20	SM2S-05	2	8-Blade	M3 Screw	RU2S, RM2S
			SM2S-05C SJ1S-05B	1	5-Blade		RJ1S
AL AL	SJ	F-9	SJ1S-07L SJ2S-05B	2	8-Blade		RJ2S
			SJ2S-07L SQ1V-07B	1	5-Blade	M3 Screw	RQ1V-CM
to be a second	SQ	F-10	SQ2V-07B	2	8-Blade		RQ2V-CN RQ1V-CH
hrough Panel Mount			SR2P-51	2	8-Pin		RR2P, GT5P, RTE-P1, GT3 (8-pin)
	SR	F-21	SR3P-51	3	11-Pin		RR3PA, RR2KP, RTE-P2, GT3 (11-pin)
Carl Alter			SR3B-51	3	11-Blade		RR1BA, RR2BA, RR3B
BANK MARK			SH1B-51	1	5-Blade		RH1B
1.0 0000			SH2B-51	2	8-Blade		RH2B
	SH	F-22				Solder	
100			SH3B-51	3	11-Blade		RH3B, RH2LB
1			SH4B-51	4	14-Blade		RH4B
Clar Car	SY	F-24	SY2S-51	2	8-Blade		RY2S, RY22S
11.000	51	Г-24	SY4S-51	4	14-Blade		RY4S, RY42S, RU4S, RU42S, RY2KS, RM GT5Y
CB Mount			SH1B-62	1	5-Blade		RH1B
	SH	F3-25	SH2B-62	2	8-Blade		RH2B
and the state			SH3B-62	3	11-Blade		RH3B, RH2LB
			SH4B-62	4	14-Blade	PC Board	RH4B
			SY2S-61	S-61 2 8-Blade	8-Blade	PC DOard	RY2S, RY22S
	SY	F3-26	SY4S-61	4	14-Blade		RY4S, RY42S, RU4S, RU42S, RY2KS, RM GT5Y
			SY4S-62	4	14-Blade		RY4S, RY42S, RU4S, RU42S, RY2KS, RM GT5Y
or Panel Mounted Timers			SR6P-M08G		8-pin		GE1A; RTE-P1; GT3 (8-pin);
	SR	F-28		2		M3.5 Screw	
			SR6P-M11G		11-pin		RTE-P2; GT3 (11-pin)

#### Specifications

#### SU, SR, SH, SM, SY

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

1. \* Applicable to DIN rail sockets only.





File No. BL950813332307



CSA Certified

#### 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





File No. E141060



UL Recognized File No. E62437

#### Hold-Down Springs and Clips Selection Guide

#### DIN Rail Snap/Surface-Mount Sockets

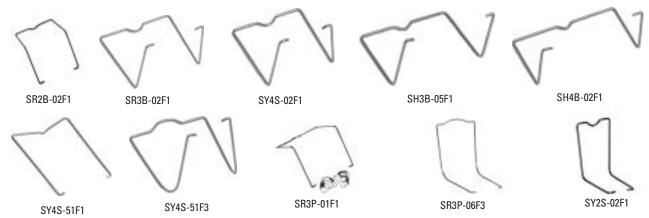
Socket Part No.	Applicable Relays, Timer	Hold-Down Pullover Spring	Hold-Down Clip (side latch)	Hold-Down Clip (top latch)
SU2S-11L	RM2S, RU2, GT5Y-2	SY4S-51F1	SFA-202	SFA-101
SU4S-11L	RY4S, RY42S, RU4, RU42, GT5Y, RY2KS, RM2S	SY4S-51F1	SFA-202	SFA-101
SR2P-05	RR2P	SR2B-02F1	SFA-203	
SR2P-05C	RTE-P1, GT3, GT5P	_	SFA-203	
SR2P-06	RR2P	SR2B-02F1	SFA-202	
31121-00	GT3 (8-pin), RTE-P1, GT5P	_	SFA-202	
	RR3PA	SR3B-02F1	SFA-203	
SR3P-05 SR3P-05C	RR2KP	SR3P-06F3	SFA-203	
	RTE-P2, GT3 (11-pin)	_	SFA-203	
	RR3PA	SR3B-02F1	SFA-202	
SR3P-06	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 SH1B-05C	RH1B	SY2S-02F1	SFA-202	SFA-101
SH2B-05 SH2B-05C	RH2B	SY4S-02F1	SFA-202	SFA-101
SH3B-05 SH3B-05C	RH3B, RH2LB	SH3B-05F1	SFA-202	SFA-101
SH4B-05 SH4B-05C	RH4B	SH4B-02F1	SFA-202	SFA-101
SY2S-05 SY2S-05C	RY2S, RY22S	SY2S-02F1	SFA-202	SFA-101
SY4S-05 SY4S-05C	RY4S, RY42S, RU4, RU42, RM2S	SY4S-51F1	SFA-202	SFA-101
0140-000	RY2KS, GT5Y	(SY4S-51F3)	SFA-202	
SM2S	RM2S, RU2	SY4S-51F1	SFA-202	SFA-101
SJ1S SJ2S	RQ1S RJ2S	SJ9Z-C		
SQ1S SQ2S	RQ1V 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.



www.idec.com

## **IDEC** Sockets

#### 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		—
SH2P-91	GT3 (8-pin), RTE-P1	—	SFA-402	—
	RR3PA	SR3P-01F1		—
SR3P-51	RR2KP	SR3P-51F3		—
	GT3 (11-pin), RTE-P2	_	SFA-402	—
SR3B-51	RR1BA, RR2BA, RR3B, RTE-B	SR3B-02F1	_	_
SH1B-51 SH1B-62	RH1B	SY4S-51F1	_	SFA-301 SFA-302
SH2B-51	RH2B	SY4S-51F1 (SY4S-02F1)	_	SFA-301 SFA-302
SH2B-62	RH2B	SY4S-51F1 (SY4S-02F1)	_	_
SH3B-51 SH3B-62	RH3B, RH2LB	SY4S-51F1 (SY4S-02F1)		SFA-301 SFA-302
SH4B-51 SH4B-62	RH4B	SY4S-51F1 (SH4B-02F1)	_	SFA-301 SFA-302
SY2S-51 SY2S-61	RY2S, RY22S	SY4S-51F1	_	SFA-301 SFA-302
SY4S-51	RY4S, RY42S	SY4S-51F1 (SY4S-02F1)	_	SFA-301 SFA-302
SY4S-61	RY2KS	SY4S-51F1 (SY4S-02F3)	SFA-302	_
	GT5Y	—	SFA-302	—
SY4S-62 *	RY4S, RY42S, RM2S	SY4S-51F1 (SY4S-02F1)	_	_
0140-02	RY2KS	SY4S-51F1 (SY4S-02F3)	_	_

\* Does not accept hold down clips





SFA-301



SFA-202



SFA-203





## Sockets **IDEC**

#### SU Series: DIN Rail Snap-Mount Sockets



#### SU2S-11L

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

SU4S-11L		
Style	14-blade DIN-mount/surface mount	
Terminal	Spring clamp terminals	
Wire Size	24-16 AWG	
Electrical Rating	6A (using RU4), 10A (using RU2)	
Compatible Relay	RY4S, RY42S, RU4, RU42S, RY2KS, RM2S	
Compatible Timer	GT5Y	
Hold-Down Clip	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.



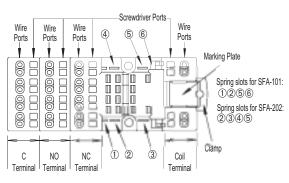
Center of Relay-mounting area

#### **Terminal Arrangement (top view)**

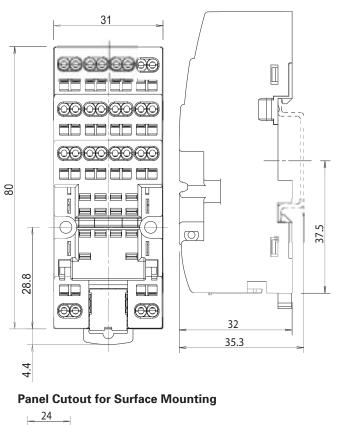
SU2S-11L SU4S-11L 12 11 10 9 12 11 10 9 8 7 6 5 4 3 2 1 14

## 8 7 6 5 4 3 2 1 13

#### Parts



#### Dimensions



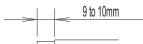
#### **SU Series: General Instructions**

#### **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

1. Strip the wire insulation 9 to 10mm from the end.

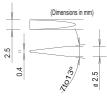
- 2. In applications using ferrules for stranded wires, choose the ferrule listed in table below. Make sure that an insulation sheath is applied when using the ferrules. When using stranded wires without ferrules, make sure that the core wires have not been loosened.
- 3. Two cable ports are provided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



#### **Applicable Ferrules**

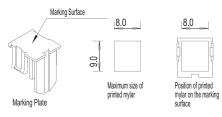
Applicable Wire (stranded)		Тупо	Manufacturer
mm <sup>2</sup>	AWG	Туре	Manulacturei
0.2	24	A10.25-12BU	Phoenix Contact
_	22	A10.34-8TQ	Phoenix Contact
0.5 20	A10.5-8WH	Phoenix Contact	
	A10.5-10WH		
	TE0.5	Nichifu Co. Ltd	

For wiring, use the optional screwdriver (BC1S-SD0) or the following applicable screwdriver.

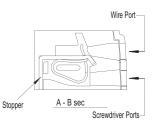


#### **Marking Instructions**

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  $8 \times 9$ mm maximum.



#### Wiring Instructions



Wire Ports for Terminal 9 Wire Ports for Terminal 10 A Wire Ports for Terminal 10 Correct Incorrect Incorrect Incorrect Direction of Screwdriver Tip Note: Two cable ports are provided for each terminal

1. Insert the optional screwdriver (BC1S-SD0) or an applicable screwdriver into the squareshaped 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.

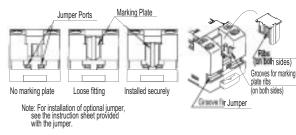
3. While the screwdriver is retained in the port, insert the wire or ferrule into the round-shaped wire port. Each wire port can accommodate one wire or ferrule. When connecting two wires to one terminal, use the adjoining port of the same terminal.

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

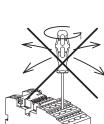
#### **Safety Precautions**

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.



Inserting Screwdriver into the Wire Ports



### Sockets IDEC

#### SU Series: SU9Z-J5 Jumper Installation Instructions

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

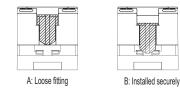
The SU9Z-J5 is used to install five sockets. When installing less than five sockets cut the jumper according to the instructions listed to the right.

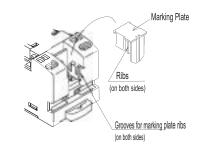
The SU9Z-J5 jumper is for coil terminals only.

SU9Z-95 Jumper		
Rated Current		3A
Material	Conductor	Nickel-plated brass
	Sheath	ABS resin

#### Installation

Loosen the marking plate on the socket.

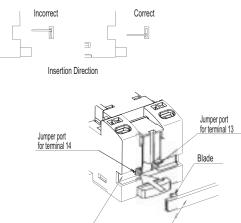




#### Alignment

Ш

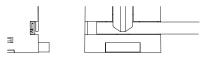
Making sure that the SU9Z-J5 jumper is correctly aligned, insert the blades into the ports in the groove of the SU sockets.



/Jumper Groove /Jumper

#### Install Jumper Securely

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

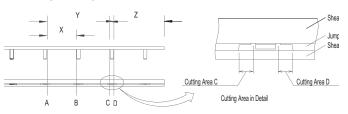


### Installing Two, Three or Four SU Sockets on the SU9Z-J5 Jumper

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.



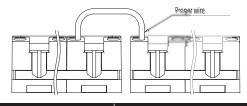
	Qty	Cutting Area	Discard
2 Sockets	2	A, C	Y
2 Sockets	1	A, B	х
3 Sockets		Α, Β	~
4 Sockets	1	D	Z

After cutting the jumper and sheath, slide the jumper as shown below, so that the ends of the jumper ar e 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 ø3.15mm 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

5 -blade snap mount/surface mount
0.6 - 1.0N•m (Maximum 1.2N•m)
Maximum up to 2 - #14 AWG
250V, 12A
RJ1S
N/A
N/A
SJ9Z-C



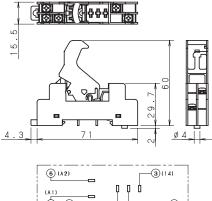
#### SJ1S-07L Fingersafe

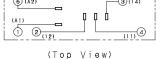
Style	5-blade, snap mount/surface mount	
Terminal/Torque	0.6 - 1.0N•m (Maximum 1.2N•m)	
Wire Size	Maximum up to 2 - #14 AWG	
Electrical Rating	250V, 12A	
Compatible Relay	RJ1S	
Compatible Timer	N/A	
Hold-Down Spring	N/A	
Replacement Locking Lever	SJ9Z-C	



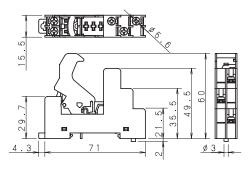
#### SJ2S-05B

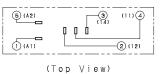
Style	8-blade, snap mount/surface mount
Terminal/Torque	0.6 - 1.0N•m (Maximum 1.2N•m)
Wire Size	Maximum up to 2 - #14 AWG
Electrical Rating	250V, 8A
Compatible Relay	RJ2S
Compatible Timer	N/A
Hold-Down Spring	N/A
Replacement Locking Lever	SJ9Z-C

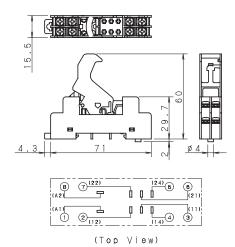




#### SJ1S-07L

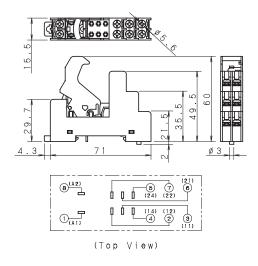








SJ2S-07L Fingersafe	
Style	8-blade snap mount/surface mount
Terminal/Torque	0.6 - 1.0N•m (Maximum 1.2N•m)
Wire Size	Maximum up to 2 - #14 AWG
Electrical Rating	250V, 8A
Compatible Relay	RJ2S
Compatible Timer	N/A
Hold-Down Spring	N/A
Replacement Locking Lever	SJ9Z-C



All dimensions are in mm.

#### SQ Series: General Information



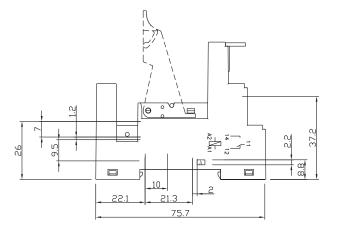
#### SQ1V-07B Fingersafe

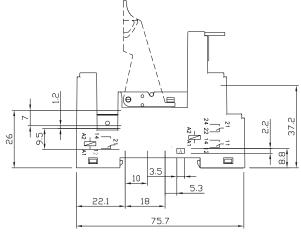
SULV-07B Filigersale		
Style	5-pin, snap mount/surface mount	
Terminal/Torque	1.0N•m Maximum	
Wire Size	Maximum up to 2 - #14 AWG	
Electrical Rating	300V, 12A	
Compatible Relay	RQ1V-CM	
Replacement Locking Lever	SQ9Z-C	
Replacement Marking Plate	SQ9Z-P	
Plug-in LED/Diode (6-24VDC)	SQ9Z-LD	
Plug-in LED/RC (120/240VAC)	SQ9Z-LR	



#### SQ2V-07B Fingersafe

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





## **IDEC** Sockets

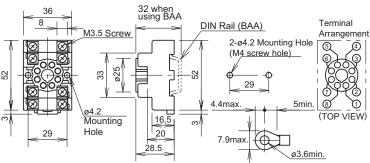
#### SR Series: DIN Rail Snap-Mount Sockets

SR2P Sockets



#### SR2P-05

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

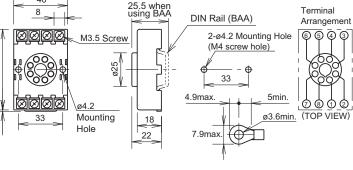




R2P-05C Fingersa	te	_	36	33.5 when using BAA		
Style	8-pin octal, snap-mount/surface mount				DIN Rail (BAA)	Terminal Arrangement
Terminal/Torque	M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in•lbs)				2-ø4.2 Mounting Hol (M4 screw hole)	
Wire Size	Maximum up to 2–#12AWG				φφ	
Electrical Rating	300V, 10A	- 28			< 29 >	5%
Compatible Relay	RR2P	-				(TOP VIEW)
Compatible Timer	RTE-P1, GT3 (8-pin), GT5P, GE1A	5.2				
Hold-Down Spring	SR2B-02F1 (for RR2P)			<u>21.5</u> 30	(cannot use ring terminal)	
Hold-Down Clip	SFA-203 (for timers only, except GE1A)	_		<u></u> -		



#### SR2P-06 25.5 when using BAA 8 Style 8-pin octal, snap-mount/surface mount M3.5 screws with captive wire clamp (9 - 11.5 in•lbs) M3.5 Screw $\otimes$ **Terminal/Torque** ø25 60 Wire Size Maximum up to 2-#12AWG **Electrical Rating** 300V, 10A 4.9max. $\bigotimes$ ø4.2 **Compatible Relay** RR2P Mounting 33 18 Hole **Compatible Timer** RTE-P1, GT3 (8-pin), GT5P, GE1A 22 7.9max **Hold-Down Spring** SR2B-02F1 (for RR2P) **Hold-Down Clip** 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.

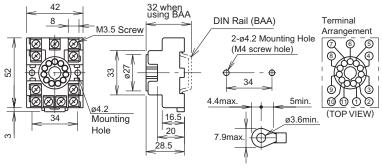
USA: (800) 262-IDEC or (408) 747-0550, Canada: (888) 317-IDEC

**SR3P Sockets** 



#### SR3P-05

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



## F Sockets

SR3P-05C Fingersa	afe		42	33.5 when		
Style	11-pin octal, snap-mount/surface mount		7	using BAA	DIN Rail (BAA)	Terminal
Terminal/Torque	M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in•lbs)				2-ø4.2 Mounting Hole (M4 screw hole)	Arrangement
Wire Size	Maximum up to 2–#12AWG			h Pî		
<b>Electrical Rating</b>	300V, 10A	- 28			< 34 >	
<b>Compatible Relay</b>	RR3PA, *RR2KP (*latching relay)	_		II F		(TOP VIEW)
<b>Compatible Timer</b>	GT3 (11-pin), RTE-P2	5.2			(cannot use ring terminal	I)
Hold-Down Spring	SR3B-02F1 for RR3PA; SR3P-06F3 for RR2KP		* 14	<u>21.5</u> 30		
Hold-Down Clip	SFA-203 (Timers)		I			



#### **SR3P-06**

Style	11-pin octal, snap-mount/surface mount	-	59			
Terminal/Torque	M3.5 screws with captive wire clamp (9 - 11.5 in•lbs)			25.5 when using BAA	DIN Rail (BAA) 2-ø4.2 Mounting Hole	Terminal Arrangement
Wire Size	Maximum up to 2–#12AWG	- //			(M4 screw hole)	
<b>Electrical Rating</b>	300V, 10A	60			<b>∲ ⊕</b>	
<b>Compatible Relay</b>	RR3PA, *RR2KP (*latching relay)	-		نن <u>ط</u> µ۔	4.9max 5min.	
Compatible Timer	GT3 (11-pin), RTE-P2		Image: Mounting       33   Mounting	18	ø3.6mir	<u>()</u> (TOP VIEW)
Hold-Down Spring	SR3B-02F1 for RR3PA; SR3P-06F3 for RR2KP	- <del>.</del>	<u> </u>	18 22 <	7.9max.	
Hold-Down Clip	SFA-202 (Timers)	-			γ	



1. For socket mounting accessories, see page F-29.

2. For hold-down clip/spring selections, see page F-4.

#### SR3B Sockets

SR3B-05		36 M3.5 Ter Screw M3.5 Ter		DIN Rail (BAA/BAP) 2-94.2 Mounting Ho (or M4 Tapped Hole 37	s (IIII) 28 IIII 28 IIII
Style	11-blade, snap-mount/surface mount			<u> </u>	
Terminal/Torque	M3.5 screws with captive wire clamp (9 - 11.5 in•lbs)			4.4 max.	in. (Top View)
Wire Size	Maximum up to 2–#12AWG		14.5	7.9 max.	min.
<b>Electrical Rating</b>	300V, 15A (10A)* (*denotes CSA rating)	< 43 >	<25>	γ	
<b>Compatible Relay</b>	RR1BA, RR2BA, RR3B			A.U	
<b>Compatible Timer</b>	RTE-B			All o	dimensions are in mm.
Hold-Down Spring	SR3B-02F1 (relays)				
Hold-Down Clip	SFA-202 (relays and timers)				

F Sockets



2. For hold-down clip/spring selections, see page F-4.

## Sockets

#### SH Series: DIN Rail Snap-Mount Sockets

SH1B Sockets



#### When using BAA/BAP: 28.5 17 DIN Rail (BAA/BAP) 8 M3.5 Terminal 18 **Terminal Arrangement** Screw 2-ø4.2 Mounting Holes (or M4 Tapped Holes) SH1B-05 60-4 Ø 5-blade, snap-mount/surface mount Style Ф 1 (Coil) M3 screws/(5.5 - 9 in • lbs) (contact) 67 47 16 ſĬ **Terminal/Torque** M3.5 screws (9 - 11.5 in • lbs) with captive wire clamp $\otimes \otimes$ M3 Terminal 5.5 min. 4.8 min $\otimes$ Screw Ð 9 Wire Size 4 max. Maximum up to 2-#12AWG 4.4 max (Top View) 14.5 16 ø3.6 min. ø3.2 min. **Electrical Rating** 250V, 10A 2.5 20 25 7.9 max. 5.9 max. 1 RH1B **Compatible Relay Hold-Down Spring** SY2S-02F1 (For terminals 13 and 14) (For terminals 1, 5, and 9) **Hold-Down Clip** SFA-101 (top notch), SFA-202 (side notch)



SH1B-05C Fingersa	ıfe	- T	17 7 M3.5 Terminal Screw		When using BAA/BAP: 33	DIN Rail (BAA/BAP)	Terminal Arrangement
Style	5-blade, snap-mount/surface mount	Î	05	$\overline{\Lambda}$		2-ø4.2 Mounting Ho	
Terminal/Torque	(Coil) M3 screws/(5.5 - 9 in • lbs) (contact) M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs)	69		48		(or M4 Tapped Hole	
Wire Size	Maximum up to 2–#12AWG		M3 Terminal	⊻_			\ ቻ፝ጚ (ው) (ወ) (ወ)
<b>Electrical Rating</b>	250V, 10A	ŧ				Ring type crimping terminals cannot be used	(Ten ) (inv)
<b>Compatible Relay</b>	RH1B	1.7			29.5		
Hold-Down Spring	SY2S-02F1						
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)						

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

## **IDEC** Sockets

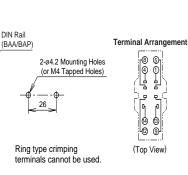
SH2B Sockets



SH2B-05		-	M3.5 Ter Screw		When using BAA/BAP: 28.5	DIN Rail (BAA/BAP)	-ø4.2 Mounting Holes	Terminal Arrangement
Style	8-blade, snap-mount/surface mount	_ '		٨			or M4 Tapped Holes)	
Terminal/Torque	M3.5 screws with captive wire clamp (9 - 11.5 in●lbs)	67	¥	47		<	⊕ 26	(날 본) (属 취)
Wire Size	Maximum up to 2-#12AWG	_		V		4.4 max.	> + < <sup>5.5</sup> min.	00
<b>Electrical Rating</b>	300V, 10A	_ =			14.5	7.9 max.		(Top View)
<b>Compatible Relay</b>	RH2B	2.5			25		ø3.6 min.	
Hold-Down Spring	SY4S-02F1	_					1	
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)	_						



fe			erminal	BAA/BAP: 33	DIN Rail
8-blade, snap-mount/surface mount					(BAA/BAP)
M3.5 screws with captive wire clamp, finger- safe (9 - 11.5 in • lbs)		4	٨		/ · ·
Maximum up to 2–#12AWG	69		49	H H	
300V, 10A			V		
RH2B	` ¥				Ring ty
SY4S-02F1	1.7	$\frac{26}{30}$		1 1	termina
SFA-101 (top notch), SFA-202 (side notch)				~ ~	
	M3.5 screws with captive wire clamp, finger- safe (9 - 11.5 in • lbs) Maximum up to 2-#12AWG 300V, 10A RH2B SY4S-02F1	8-blade, snap-mount/surface mount         M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs)         Maximum up to 2-#12AWG         300V, 10A         RH2B         SY4S-02F1	8-blade, snap-mount/surface mount M3.5 screws with captive wire clamp, finger- safe (9 - 11.5 in • lbs) Maximum up to 2-#12AWG 300V, 10A RH2B SY4S-02F1	fe     M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs)       Maximum up to 2-#12AWG       300V, 10A       RH2B       SY4S-02F1	8-blade, snap-mount/surface mount M3.5 screws with captive wire clamp, finger- safe (9 - 11.5 in • lbs) Maximum up to 2-#12AWG 300V, 10A RH2B SY4S-02F1



When using



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

SH3B Sockets



#### SH3B-05

SH3B-05							28.5 when using BAA		
Style	11-blade, snap-mount/surface mount		>	32	<del>&lt;</del>				Terminal
Terminal/Torque	M3.5 screws with captive wire clamp (9 - 11.5 in • lbs)	7	1		M3.5 Screw	<u> </u>		2-ø4.2 Mounting Hol (M4 screw hole)	Arrangement
Wire Size	Maximum up to 2–#12AWG		ſ						╔┫┫
<b>Electrical Rating</b>	300V, 10A	- 67	Ī			47			
<b>Compatible Relay</b>	RH3B, RH2LB	-	.  [			V	<u>4.4m</u>	nax. 5.5min.	
Hold-Down Spring	SH3B-05F1			<u>1001001</u> 00 36			14.5		(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)	2.5		40	-		25 7.9	emax. @3.6min.	<u>.</u>
	:							Υ	





#### SH3B-05C Fingersafe

<b>. .</b>				
Style	11-blade, snap-mount/surface mount	32	33 when using BAA	3
Terminal/Torque	M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs)	M3.5 Screw	25	Terminal Arrangement
Wire Size	Maximum up to 2–#12AWG			Ž     2-ø4.2 Mounting Hole       Image: Constraint of the second s
Electrical Rating	300V, 10A			
Compatible Relay	RH3B, RH2LB			
Hold-Down Spring	SH3B-05F1			
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)		18.7	(cannot use ring terminal) (TOP VIEW)



1. For socket mounting accessories, see page F-29.

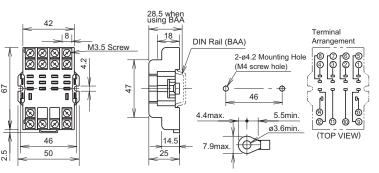
2. For hold-down clip/spring selections, see page F-4.

SH4B Sockets



#### SH4B-05

14-blade, snap-mount/surface mount
M3.5 screws with captive wire clamp (9 - 11.5 in • lbs)
Maximum up to 2–#12AWG
300V, 10A
RH4B
SH4B-02F1
SFA-101 (top notch), SFA-202 (side notch)





#### 

SH4B-05C Fingersa	fe		42	33 when using BAA		
Style	14-blade, snap-mount/surface mount	-	7	25		
Terminal/Torque	M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in • lbs)	_			DIN Rail (BAA)	Terminal Arrangement
Wire Size	Maximum up to 2–#12AWG	- 69			2-ø4.2 Mounting Hole (M4 screw hole)	
<b>Electrical Rating</b>	300V, 10A	_ •			¢ <u> </u>	
<b>Compatible Relay</b>	RH4B	-			< 40 >	
Hold-Down Spring	SH4B-02F1	- -		18.7	(cannot use ring terminal)	(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)		<u>46</u> 50	29.5	(	



1. For socket mounting accessories, see page F-29.

2. For hold-down clip/spring selections, see page F-4.

#### SY Series: DIN Rail Snap-Mount Sockets

SY2S Sockets



#### 28.5 when using BAA SY2S-05 18 Terminal Style 8-blade, snap-mount/surface mount DIN Rail (BAA) Arrangement M3 Screw M3 screws with captive wire clamp 00 Q Q 2-ø4.2 Mounting Hole **Terminal/Torque** (5.5 - 9 in • lbs) (M4 screw hole) Wire Size Maximum up to 2-#14AWG 62 45 ¢ 16 **Electrical Rating** 300V, 7A Ċ 4.8min. **Compatible Relay** RY2S, RY22S 4max 00 ø3.2min. (TOP VIEW) **Hold-Down Spring** SY2S-02F1 14.5 16 5.9max. $(\bigcirc$ 20 25 **Hold-Down Clip** SFA-101 (top notch), SFA-202 (side notch)



SY2S-05C Fingersa	fe			32.5 when using BAA	
Style	8-blade, snap-mount/surface mount		17.2 M3 Scrow	25	Terminal
Terminal/Torque	M3 screws with captive wire clamp, fingersafe (5.5 - 9 in • lbs)	-	M3 Screw		Yeg     Arrangement       2-ø4.2 Mounting Hole     Image: Comparison of the second s
Wire Size	Maximum up to 2–#14AWG				. & ` (달린)
Electrical Rating	300V, 7A	64			
<b>Compatible Relay</b>	RY2S, RY22S				
Hold-Down Spring	SY2S-02F1	_			(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)	1.6		18.2	(cannot use ring terminal)

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.

Sockets **IDEC** 

**SY4S Sockets** 

28,5 when



#### SY4S-05

3143-05			30	using BAA		
Style	14-blade, snap-mount/surface mount	0.7				Terminal
Terminal/Torque	M3 screw with captive wire clamp (5.5 - 9 in•lbs)	+			DIN Rail (BAA) 2-ø4.2 Mounting Hole	Arrangement
Wire Size	Maximum up to 2–#14AWG				(M4 screw hole)	(€) (3) (2) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
<b>Electrical Rating</b>	300V, 7A	62	≱ <b>₩₩</b> ₹∓ %		<b>⊕</b>   26	
Compatible Relay	RY4S, RY42S, RU4S, RU42S, RM2S, *RY2KS, (*latching relay)	¥	- 4-2 - 4-2 		4max. 4.8min. 03.2min.	0 0 0 0 0 0 0 0 0 0 0
<b>Compatible Timer</b>	GT5Y	1		18.5		(TOP VIEW)
Hold-Down Spring	SY4S-51F1 for all relays; SY4S-51F3 for RY2KS only	നി	< <sup>26</sup> >	<25 5.	9max. ()	
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch) for all relays and timers					



#### SV4S-05C Fingersafe

SY4S-05C Fingersa	fe			32.5 when using BAA			
Style	14-blade, snap-mount/surface mount						
Terminal/Torque	M3 screw with captive wire clamp, fingersafe (5.5 - 9 in • lbs)	_	30 6 M3 Screw	- 25 -	ail (BAA)		Terminal Arrangement
Wire Size	Maximum up to 2–#14AWG	-			DIN R	2-ø4.2 Mounting Hole	800-0
<b>Electrical Rating</b>	300V, 7A	_	<u>www</u>	╎╵┿╌╩┲╝╎ ╵┝┑╴┝┱╷		(M4 screw hole)	
Compatible Relay	RY4S, RY42S, RM2S, RU4S, RU42S, *RY2KS, (*latching relay)	64				26	
<b>Compatible Timer</b>	GT5Y	_					'@   @'  @'00'9
Hold-Down Spring	SY4S-51F1 for all relays; SY4S-51F3 for RY2KS only	9.			(ca	annot use ring terminal)	(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch) for GT5Y timer and relays	~	26	<u>18.2</u> 29			

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.

F Sockets

SM2S Sockets



#### SM2S-05

SM2S-05				28,5 when		
Style	8-blade, snap-mount/surface mount	0.7	< 30			
Terminal/Torque	M3 screw with captive wire clamp (5.5 - 9 in●lbs)	- 0		w b	il (BAA) 2-ø4.2 Mounting Hole	Terminal Arrangement
Wire Size	Maximum up to 2–#14AWG				M4 screw hole)	
<b>Electrical Rating</b>	300V, 10A	62	₹ <b>2000 1000 1000 1000 1000 1000 1000 1000</b>			
<b>Compatible Relay</b>	RU2S, RM2S	_			26	
Compatible Timer	—	¥		4max.	4.8min. ø3.2min.	
Hold-Down Spring	SY4S-51F1		26	18.5 25 5.9max.		(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)	— ო	< 26 >			



#### 32.5 when using BAA SM2S-05C Fingersafe Style 8-blade, snap-mount/surface mount 30 Rail (BAA) 25 Terminal M3 screw with captive wire clamp, M3 Screw **Terminal/Torque** Arrangement fingersafe (5.5 - 9 in • lbs) 0 6 DIN 2-ø4.2 Mounting Hole 18 ø5.5 Wire Size Maximum up to 2-#14AWG 4 ന (M4 screw hole) **Electrical Rating** 300V, 10A ፊ Œ 64 46 26 RU2S, RM2S **Compatible Relay Compatible Timer** 0 • (TOP VIEW) SY4S-51F1 **Hold-Down Spring** 1.6 18.2 SFA-101 (top notch), SFA-202 (side (cannot use ring terminal) **Hold-Down Clip** 29 notch)

All dimensions are in mm.

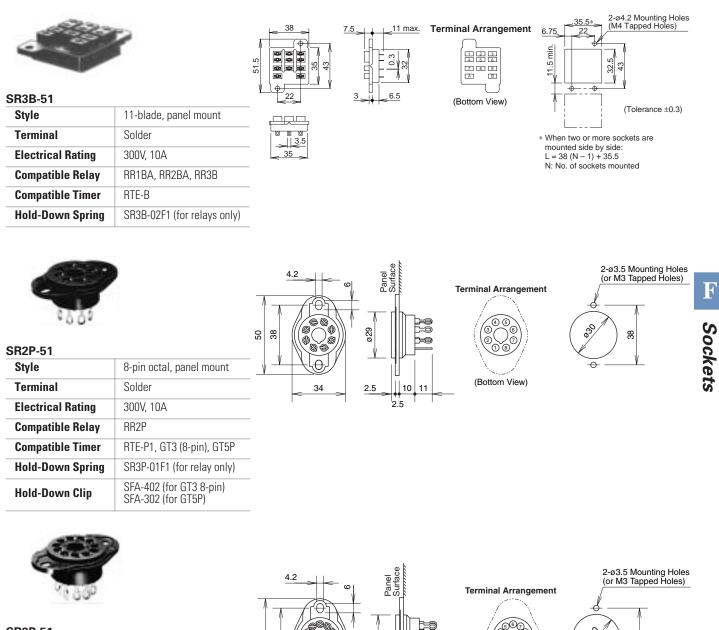


1. For socket mounting accessories, see page F-29.

2. For hold-down clip/spring selections, see page F-4.

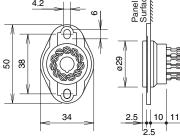
## **IDEC** Sockets

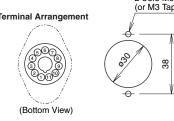
#### **SR Series: Panel Mount Sockets**



#### SR3P-51

11-pin octal, panel mount
Solder
300V, 10A
RR3PA, *RR2KP (*latching relay)
GT3 (11-pin), RTE-P2
SR3P-01F1 for RR3PA SR3P-51F3 for RR2KP
SFA-402 (for GT3 11-pin, RTE-P2)





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

All dimensions are in mm.

www.idec.com

USA: (800) 262-IDEC or (408) 747-0550, Canada: (888) 317-IDEC

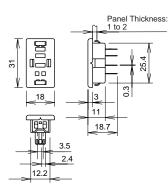
## Sockets

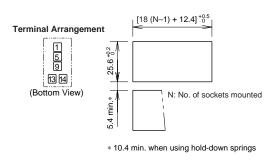
#### **SH Series: Panel Mount Sockets**



#### SH1B-51

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

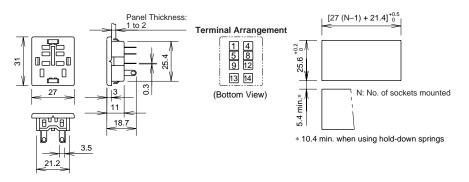








Style	8-blade, panel mount		
Terminal	Solder		
<b>Electrical Rating</b>	300V, 10A		
Compatible Relay	RH2B		
Hold-Down Spring	SY4S-51F1 SY4S-02F1 for RH2B-4C		
Hold-Down Clip	SFA-301 (top notch), SFA-302 (side notch)		



All dimensions are in mm.

*F-22* 

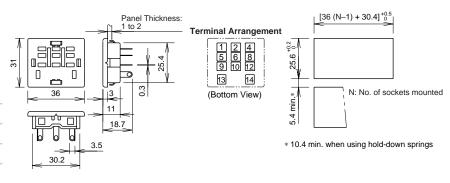
1. For socket mounting accessories, see page F-29.

2. For hold-down clip/spring selections, see page F-4.

#### SH Series: Panel Mount Sockets, continued



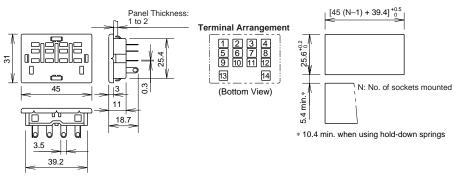
SH3B-51	
Style	11-blade, panel mount
Terminal	Solder
<b>Electrical Rating</b>	300V, 10A
Compatible Relay	RH3B, *RH2LB (*latching relay)
Hold-Down Spring	SY4S-51F1 SY4S-02F1 for RH3B-4C
Hold-Down Clip	SFA-301 (top notch), SFA-302 (side notch)





#### SH4B-51

14-blade, panel mount
Solder
300V, 10A
RH4B
SY4S-51F1, SY4S-02F1
SFA-301, SFA-302



All dimensions are in mm.

F Sockets

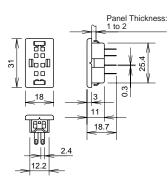
2. For hold-down clip/spring selections, see page F-4.

#### **SY Series: Panel Mount Sockets**



#### SY2S-51

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

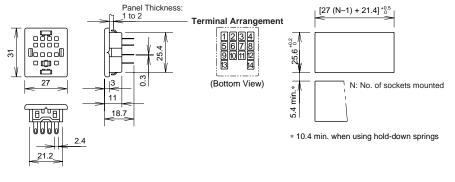


#### [18(N-1)+12.4]<sup>+0.5</sup> **Terminal Arrangement** 0.0 25.6 N: No. of sockets mounted (Bottom View) 5.4 min.\* \* 10.4 min. when husing hold-down springs





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



14 58 912

13 14

All dimensions are in mm.

Sockets 1

#### F-24

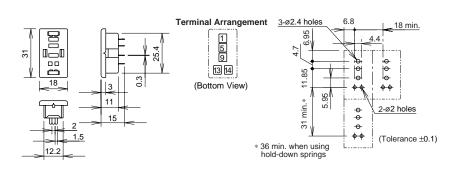
1. For socket mounting accessories, see page F-29. 2. For hold-down clip/spring selections, see page F-4.

#### SH Series: PC Board Mount Sockets



#### SH1B-62

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



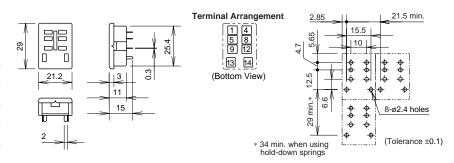


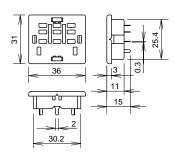
# SH2B-62 Style 8-blade Terminal Solder/PCB mount Electrical Rating 300V, 10A Compatible Relay RH2B Hold-Down Spring SY4S-51F1, SY4S-02F1 Hold-Down Clip SFA-301 (top notch), SFA-302 (side notch)

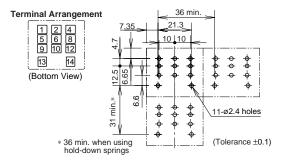


#### SH3B-62

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





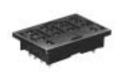


1. For socket mounting accessories, see page F-29.

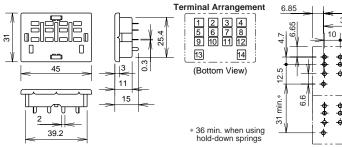
2. For hold-down clip/spring selections, see page F-4.

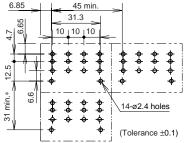
## Sockets

#### SH Series: PC Board Mount Sockets, continued



# SH4B-62Style14-bladeTerminalSolder/ PCB mountElectrical Rating300V, 10ACompatible RelayRH4BHold-Down<br/>SpringsSY4S-51F1, SH4B-02F1Hold-Down ClipSFA-301 (top notch),<br/>SFA-302 (side notch)

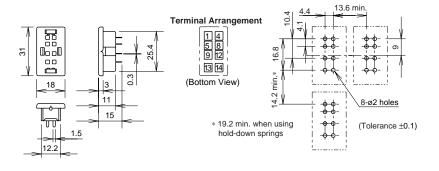








8-blade
Solder/PCB mount
300V, 7A
RY2S, RY22S
SY4S-51F1
SFA-301 (top notch), SFA-302 (side notch)



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.

## **IDEC** Sockets

#### SY Series: PC Mount Sockets, continued

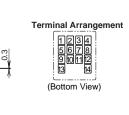
SY4S-61				Terminal Arrangement	8.8 4.4 4.4 4.4 4.4 4.4 4.4 4.4
Style	14-blade			!b3 b4! `¥_	
Terminal	Solder/PCB mount	27 ->	3 0.3	(Bottom View)	
<b>Electrical Rating</b>	300V, 7A		11	14.2	
Compatible Relay	RY4S, RY42S, RM2S, *RY2KS, RU4S, RU42S, RU2S (*latching relay)			* 19.2 min. when using hold-down springs	$\begin{array}{c c} & \bullet & \bullet & \bullet \\ & \bullet & \bullet & \bullet & \bullet \\ & \bullet & \bullet$
Compatible Timer	GT5Y	1 1			
Hold-Down Spring	SY4S-51F1, SY4S-02F1				
Hold-Down Clip	SFA-301 (top notch; except GT5Y and RY2KS) SFA-302 (side notch for all)				

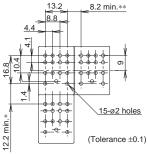


Style	14-blade
Terminal	Solder/PCB mount
Electrical Rating	250V, 7A
Compatible Relay	RY4S, RY42S, RU4S, RU42S, *RY2KS (*latching relay)
Compatible Timer	GT5Y
Hold-Down Spring	SY4S-51F1, SY4S-51F3, SY4S-51F4, *SY4S-02F1, *SY4S-02F3 (*when mounting a relay with check button)

11

\_15





\* 17.2 min. when using a hold-down spring.

\*\* 13.2 min. when using a hold-down spring for the relay with check button.

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.

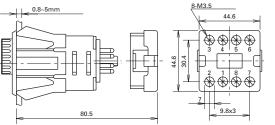
**F** Sockets

#### SR Series: Socket for Panel Mounted Timers



#### SR6P-M08G

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



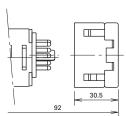


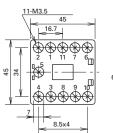


#### SR6P-M11G

Sockets **H** 

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







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.



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#### SA-203 SA-203 SA-203 SA-203 M4 screw washer spring



Description	Appearance	Use with	Part No.	Remarks	
<b>Aluminum DIN Rail</b> (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).	
DIN Rail End Stop		DIN rail	BNL5	9.1 mm wide.	
Surface Mount	b la	SY2S, SY4S, SR3B, SH1B,	SA-203	For use on ends of socket groupings when surface mounting.	00
End Connector	<b>A B</b>	SH2B, SH3B, SH4B	SA-204	For use between adjoining sockets when surface mounting.	CKELS
Surface Mount Connector	N.	SY2S, SY4S, SR3B, SH1B, SH2B, SH3B, SH4B	SA-405	For use between adjoining sockets when surface mounting.	LS
DIN Rail Spacer		All DIN rail sockets	SA-406		
Steel Mounting Plates		SY4S-51, SH2B-51	SA-402	11.42" length with 10 holes.	
(for panel mount sockets)		SY4S-51, SH2B-51	SA-403	23.33" length with 21 holes.	
	40	RH2B, RM2S, RY4S, RY42S, RU4S, RU4S, RU4S	RH-01		
Relay Holders	1	RY2S, RH1B	RH-03	For diagram, see next page.	
Replacement Hold- Down Spring Anchor		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.	
Hold-Down Spring for SR*P-05(C)	A	Chair clip for SR*P-05(C)	Y703-102	For SR2P-05, SR2P-05C, SR3P-05, SR3P-05C	

Accessories

#### Instructions

#### **Mounting Snap-Mount Sockets**



Figure 1



Figure 2

#### **Mounting Relay Holders**

RH-01 or

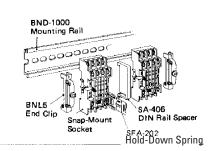
Figure 1

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.



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.

#### **Mounting Hold-Down Springs**

Figure 2

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.

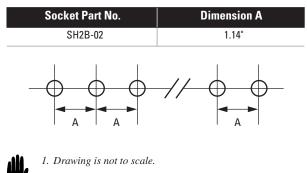
Slide spring over relay.

#### 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**

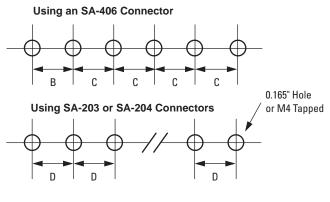


#### **Snap-Mount Sockets**

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"

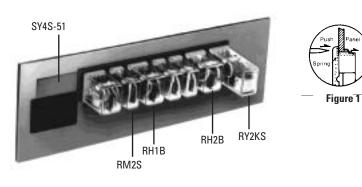




2. Drawings are not to scale.

#### **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** Width Part No. Relay 1.063" RY4S, RY42, RY2KS, RM2S SY4S-51 SH4B-51 1.772" RH4B

RH2B

RH1B

RH3B, RH2LB

RY2S, RY22S

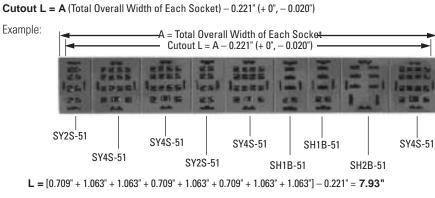
1.418"

1.063"

0.709"

0.709"

#### How to Calculate Cutout Length (L)



SH3B-51

SH2B-51

SH1B-51

SY2S-51

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

#### **Mounting Plate**

