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.



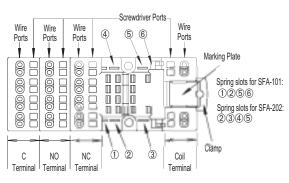
Center of Relay-mounting area

Terminal Arrangement (top view)

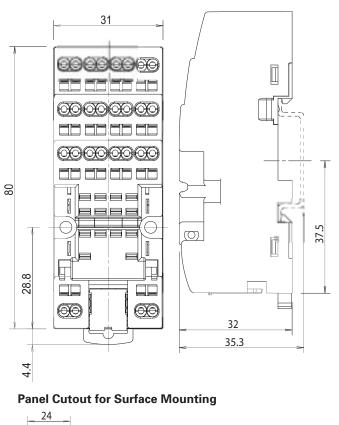
SU2S-11L SU4S-11L 12 11 10 9 12 11 10 9 8 7 6 5 4 3 2 1 14

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 ² or AWG24 to 16
Solid wire	0.2 to 1.5 mm ² or AWG24 to 16
Wire insulation diameter	ø3.15mm maximum

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

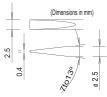
- 2. In applications using ferrules for stranded wires, choose the ferrule listed in table below. Make sure that an insulation sheath is applied when using the ferrules. When using stranded wires without ferrules, make sure that the core wires have not been loosened.
- 3. Two cable ports are provided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



Applicable Ferrules

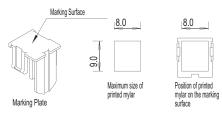
Applicable Wire (stranded)		Тупо	Manufacturer
mm ²	AWG	Туре	Manulacturei
0.2	24	A10.25-12BU	Phoenix Contact
_	22	A10.34-8TQ	Phoenix Contact
0.5 20	A10.5-8WH	Phoenix Contact	
	A10.5-10WH		
	TE0.5	Nichifu Co. Ltd	

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

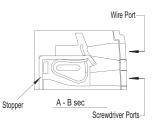


Marking Instructions

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 8×9 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.

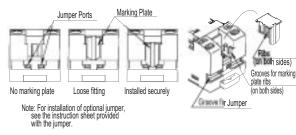
3. While the screwdriver is retained in the port, insert the wire or ferrule into the round-shaped wire port. Each wire port can accommodate one wire or ferrule. When connecting two wires to one terminal, use the adjoining port of the same terminal.

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

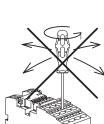
Safety Precautions

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

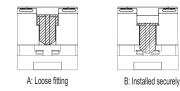
The SU9Z-J5 is used to install five sockets. When installing less than five sockets cut the jumper according to the instructions listed to the right.

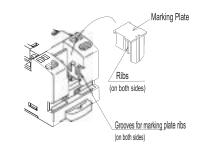
The SU9Z-J5 jumper is for coil terminals only.

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

Installation

Loosen the marking plate on the socket.

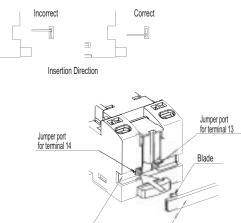




Alignment

Ш

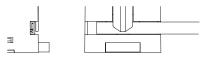
Making sure that the SU9Z-J5 jumper is correctly aligned, insert the blades into the ports in the groove of the SU sockets.



/Jumper Groove /Jumper

Install Jumper Securely

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

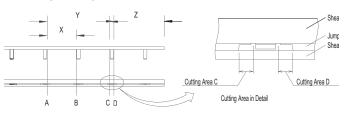


Installing Two, Three or Four SU Sockets on the SU9Z-J5 Jumper

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.



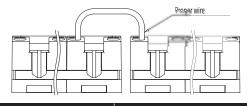
	Qty	Cutting Area	Discard
2 Sockets	2	A, C	Y
2 Sockets	1	A, B	х
3 Sockets		Α, Β	~
4 Sockets	1	D	Z

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 ²
Solid wire	0.2 to 1.5 mm ²
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



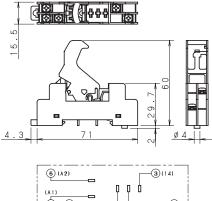
SJ1S-07L Fingersafe

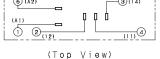
Style	5-blade, snap mount/surface mount	
Terminal/Torque	0.6 - 1.0N•m (Maximum 1.2N•m)	
Wire Size	Maximum up to 2 - #14 AWG	
Electrical Rating	250V, 12A	
Compatible Relay	RJ1S	
Compatible Timer	N/A	
Hold-Down Spring	N/A	
Replacement Locking Lever	SJ9Z-C	



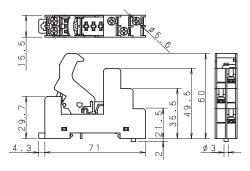
SJ2S-05B

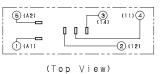
Style	8-blade, snap mount/surface mount
Terminal/Torque	0.6 - 1.0N•m (Maximum 1.2N•m)
Wire Size	Maximum up to 2 - #14 AWG
Electrical Rating	250V, 8A
Compatible Relay	RJ2S
Compatible Timer	N/A
Hold-Down Spring	N/A
Replacement Locking Lever	SJ9Z-C

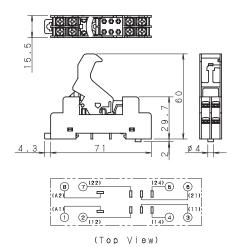




SJ1S-07L

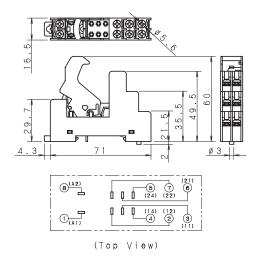








SJ2S-07L Fingersafe	
Style	8-blade snap mount/surface mount
Terminal/Torque	0.6 - 1.0N•m (Maximum 1.2N•m)
Wire Size	Maximum up to 2 - #14 AWG
Electrical Rating	250V, 8A
Compatible Relay	RJ2S
Compatible Timer	N/A
Hold-Down Spring	N/A
Replacement Locking Lever	SJ9Z-C



All dimensions are in mm.

SQ Series: General Information



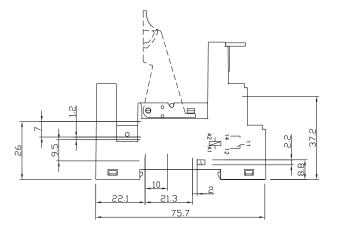
SQ1V-07B Fingersafe

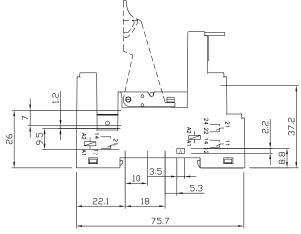
SULV-07B Filigersale		
Style	5-pin, snap mount/surface mount	
Terminal/Torque	1.0N•m Maximum	
Wire Size	Maximum up to 2 - #14 AWG	
Electrical Rating	300V, 12A	
Compatible Relay	RQ1V-CM	
Replacement Locking Lever	SQ9Z-C	
Replacement Marking Plate	SQ9Z-P	
Plug-in LED/Diode (6-24VDC)	SQ9Z-LD	
Plug-in LED/RC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

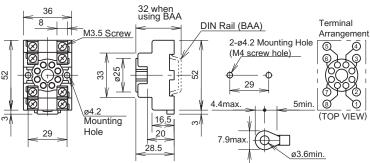
SR Series: DIN Rail Snap-Mount Sockets

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					
Electrical Rating	300V, 10A					
Compatible Relay	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)					

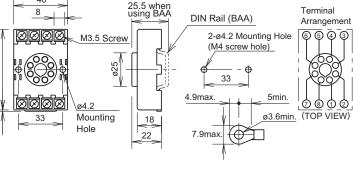




R2P-05C Fingersa	te	_	36	33.5 when using BAA		
Style	8-pin octal, snap-mount/surface mount				DIN Rail (BAA)	Terminal Arrangement
Terminal/Torque	M3.5 screws with captive wire clamp, fingersafe (9 - 11.5 in•lbs)				2-ø4.2 Mounting Hol (M4 screw hole)	
Wire Size	Maximum up to 2–#12AWG				φφ	
Electrical 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.

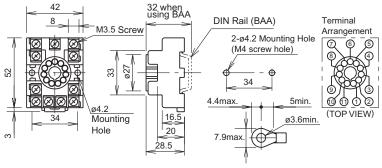
USA: (800) 262-IDEC or (408) 747-0550, Canada: (888) 317-IDEC

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
Electrical Rating	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		
Electrical Rating	300V, 10A	- 28			< 34 >	
Compatible Relay	RR3PA, *RR2KP (*latching relay)	_		II F		(TOP VIEW)
Compatible Timer	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)	
Electrical Rating	300V, 10A	60			∲ ⊕	
Compatible Relay	RR3PA, *RR2KP (*latching relay)	-		نت ی ا µ۔ ۱ ۱	4.9max 5min.	
Compatible Timer	GT3 (11-pin), RTE-P2		Image: Mounting Mounting 33 Hole	18	ø3.6mir	<u>()</u> (TOP VIEW)
Hold-Down Spring	SR3B-02F1 for RR3PA; SR3P-06F3 for RR2KP	- .	<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.
Electrical Rating	300V, 15A (10A)* (*denotes CSA rating)	< 43 >	<25>	γ	
Compatible Relay	RR1BA, RR2BA, RR3B			A.U	
Compatible Timer	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	⊻_			\ ቻ፞፟ጚ (ው) (ወ) (ወ)
Electrical Rating	250V, 10A	ŧ				Ring type crimping terminals cannot be used	(Ten) (inv)
Compatible Relay	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

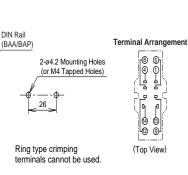
SH2B Sockets



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	¥ Ā	47		<	⊕ 26	(날 분) (属 취)
Wire Size	Maximum up to 2-#12AWG	_		V		4.4 max.	> + < ^{5.5} min.	00
Electrical Rating	300V, 10A	_ =			14.5	7.9 max.		(Top View)
Compatible Relay	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	M				(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	<				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						╔┫┫
Electrical Rating	300V, 10A	- 67	Ī			47			
Compatible Relay	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

. . .				
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.

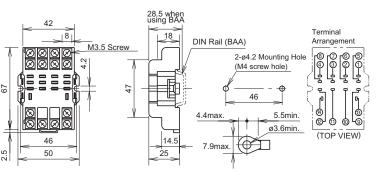
2. For hold-down clip/spring selections, see page F-4.

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)	
Electrical Rating	300V, 10A	_ •			∮⊕	
Compatible Relay	RH4B	-			< 40 >	
Hold-Down Spring	SH4B-02F1	- <u>-</u>		18.7	(cannot use ring terminal)	(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)		46 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 6 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				~ & ` / / 놀 뢰 / _ / / _ / / _ / / _ / / _ / / _ / / _ / / _ / / _ / / _ / / _ / / _ /
Electrical Rating	300V, 7A	64			
Compatible Relay	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



SY4S-05

SY4S-05				28.5 when using BAA		
Style	14-blade, snap-mount/surface mount	0.7	$<\frac{30}{6}$			Tannainal
Terminal/Torque	M3 screw with captive wire clamp (5.5 - 9 in●lbs)	+	M3 Screw		DIN Rail (BAA) 2-ø4.2 Mounting Hole	Terminal Arrangement
Wire Size	Maximum up to 2–#14AWG				(M4 screw hole)	(€ (3)(2) (1)
Electrical Rating	300V, 7A	62	- ¥ <u>+</u> 4 -		$- \phi_{26} \phi$	
Compatible Relay	RY4S, RY42S, RU4S, RU42S, RM2S, *RY2KS, (*latching relay)	¥			$4 \text{max.} 4.8 \text{min.} \\ \phi 3.2 \text{min.}$	0 0 0 0 0 0 0 0 0 0
Compatible Timer	GT5Y	1		18.5		(TOP VIEW)
Hold-Down Spring	SY4S-51F1 for all relays; SY4S-51F3 for RY2KS only	നി	< 26 >	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 	25	ail (BAA)	Terminal Arrangement
Wire Size	Maximum up to 2–#14AWG	-			Z 2-ø4.2 Mounting Hole	800-0
Electrical Rating	300V, 7A	-	<u> </u>		(M4 screw hole)	
Compatible Relay	RY4S, RY42S, RM2S, RU4S, RU42S, *RY2KS, (*latching relay)	64			€ <u>26</u> €	
Compatible Timer	GT5Y	_				100000
Hold-Down Spring	SY4S-51F1 for all relays; SY4S-51F3 for RY2KS only				(cannot 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			Rail (BAA) 2-ø4.2 Mounting Hole	Terminal Arrangement
Wire Size	Maximum up to 2–#14AWG				(M4 screw hole)	
Electrical Rating	300V, 10A	62	₽ ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩		φ	
Compatible Relay	RU2S, RM2S	_			< 26	
Compatible Timer	—	¥		4 <u>m</u>	ax. 4.8min. 03.2min.	
Hold-Down Spring	SY4S-51F1		20	18.5 25 5.9ma		(TOP VIEW)
Hold-Down Clip	SFA-101 (top notch), SFA-202 (side notch)	— ო	< ²⁶ >	<25		



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.



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



Description	Appearance	Use with	Part No.	Remarks	
Aluminum DIN Rail (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	A 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		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

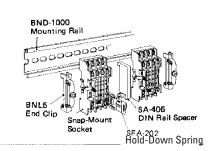
Figure 1

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.

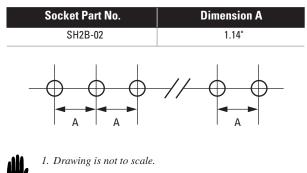
Slide spring over relay.

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

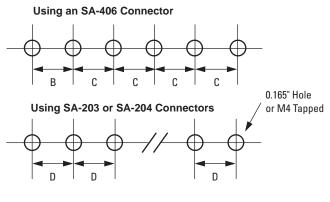


Snap-Mount Sockets

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"

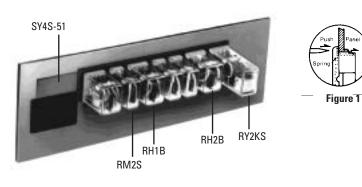




2. Drawings are not to scale.

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.)

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

 Dimension Table

 Part No.
 Width
 Relay

 SY4S-51
 1.063"
 RY4S, RY42, RY2KS, RM2S

 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)

Example: A = Total Overall Width of Each Socket Cutout L = A - 0.221" (+ 0", - 0.020") SY2S-51 SY4S-51 SY4S-51 SY4S-51 L = [0.709" + 1.063" + 0.709" + 1.063" + 0.709" + 1.063" + 1.063"] - 0.221" =**7.93**"L =**7.93**" (+ 0", - 0.020")

SH3B-51

SH2B-51

SH1B-51

SY2S-51

Mounting Plate

