

**Relay and Timer Socket Selection Guide**

**Relay and Timer Socket**

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

**For Panel Mounted Timers**

	SR	F-28	SR6P-M08G	2	8-pin	M3.5 Screw	GE1A; RTE-P1; GT3 (8-pin);
			SR6P-M11G		11-pin		RTE-P2; GT3 (11-pin)



For relay mounting accessories, see page F-29.

## Specifications

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

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



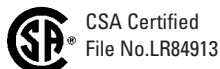
1. \* Applicable to DIN rail sockets only.



File No. BL950813332307

### SJ, SQ

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



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

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

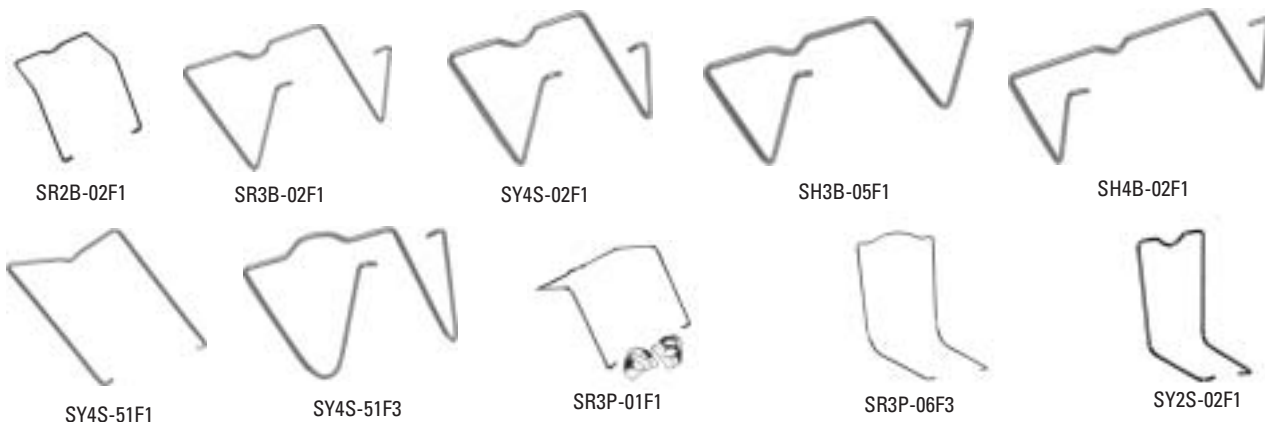
Socket Part No.	Applicable Relays, Timer	Hold-Down Pullover Spring	Hold-Down Clip (side latch)	Hold-Down Clip (top latch)
SU2S-11L SU4S-11L	RM2S, RU2, GT5Y-2	SY4S-51F1	SFA-202	SFA-101
	RY4S, RY42S, RU4, RU42, GT5Y, RY2KS, RM2S	SY4S-51F1	SFA-202	SFA-101
SR2P-05 SR2P-05C	RR2P	SR2B-02F1	SFA-203	—
	RTE-P1, GT3, GT5P	—	SFA-203	—
SR2P-06	RR2P	SR2B-02F1	SFA-202	—
	GT3 (8-pin), RTE-P1, GT5P	—	SFA-202	—
SR3P-05 SR3P-05C	RR3PA	SR3B-02F1	SFA-203	—
	RR2KP	SR3P-06F3	SFA-203	—
	RTE-P2, GT3 (11-pin)	—	SFA-203	—
SR3P-06	RR3PA	SR3B-02F1	SFA-202	—
	RR2KP	SR3P-06F3	SFA-202	—
	RTE-P2, GT3 (11-pin)	—	SFA-202	—
SR3B-05	RR1BA, RR2BA, RR3B, RTE-B	SR3B-02F1	SFA-202	—
SH1B-05 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
	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.



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	—	—
	GT3 (8-pin), RTE-P1	—	SFA-402	—
SR3P-51	RR3PA	SR3P-01F1	—	—
	RR2KP	SR3P-51F3	—	—
	GT3 (11-pin), RTE-P2	—	SFA-402	—
SR3B-51	RR1BA, RR2BA, RR3B, RTE-B	SR3B-02F1	—	—
SH1B-51 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 SY4S-61	RY4S, RY42S	SY4S-51F1 (SY4S-02F1)	—	SFA-301 SFA-302
	RY2KS	SY4S-51F1 (SY4S-02F3)	SFA-302	—
	GT5Y	—	SFA-302	—
SY4S-62 *	RY4S, RY42S, RM2S	SY4S-51F1 (SY4S-02F1)	—	—
	RY2KS	SY4S-51F1 (SY4S-02F3)	—	—

\* Does not accept hold down clips



SFA-101



SFA-202



SFA-302



SFA-301



SFA-203



SFA-402