



SEMAPHORE RELAY

SPR • SPL TYPE



FEATURES

If the equipment status related to circuits is shown with lamps, on the electric power system panel, the broken wire in any lamp disables this display making it impossible to determine the equipment status. Since the semaphore relay uses no lamp, the open / closed status of the equipment is always displayed accurately. The semaphore relay allows for visually checking whether the circuit is connected or not. The disconnecting switch and circuit-breaker, which shows their statuses with the round and square shapes, are simple and contributes to the improvement of the panel design.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification	Type	SPR-3□,4□	SPL-3□,4□
Rated insulation voltage (Ui)		250V AC / DC	
Rated operational voltage (Ith)		24V, 48V, 100 / 110V, 125V, 200 / 220V DC	
Voltage fluctuation range		80 to 125%	
Coil		Continuous excitation method	
Insulation resistance		Insulating-resistance tester (1,000V DC) Min. 1,000MΩ	
Withstand voltage		2,500V AC / 1 min.	
Impulse withstand voltage		±7,000V / 3 times for each pole (1.2 / 50 μs)	
Shock resistance		50G or more	
Service life		100,000 times or more	
Location of use		Indoor	
Protective structure		Closed type	
Panel thickness		1 to 6mm	
Terminal connection		Faston #205 or M3 screw	

Operational voltage	Coil resistor	Rated current	Power consumption
24V DC	650 Ω	37mA	0.9W
48V DC	2,150 Ω	23mA	1.1W
100V DC	7,000 Ω	16mA	1.6W
125V DC	7,500 Ω	17mA	2.1W
200V DC	32,000 Ω	6.9mA	1.4W

PILOT LAMP & INDICATOR

How to order

Select from the following product coding.

PRODUCT CODING

SPR-40S-DC11

Basic type

Surface dimensions

4	ø40	43
3	ø33	35

Surface shape

R	Round type
L	Square type

Display part

	"G" input	"R" input	No input
0			
1			
2			

Terminal type and mounting hole

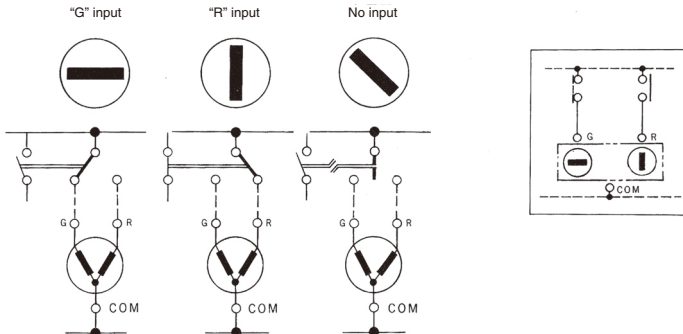
F	Tab terminal (without rotation stopper)
S	Screw terminal (without rotation stopper)
FT	Tab terminal (with rotation stopper)
ST	Screw terminal (with rotation stopper)

Operational voltage

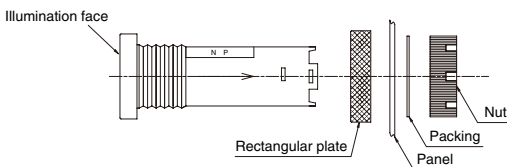
DC02	24V
DC04	48V
DC11	100 / 110V
DC12	125V
DC22	200 / 220V

PILOT LAMP & INDICATOR

OPERATION AND CIRCUIT TYPES

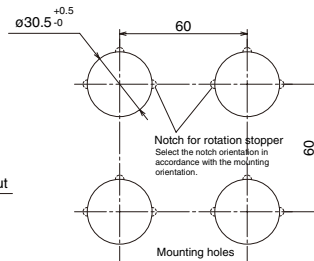


HOW TO MOUNT



* For the L (SPL) type, the square plate is required as illustrated above.
(For the R type, this is not required.)

● Mounting hole size



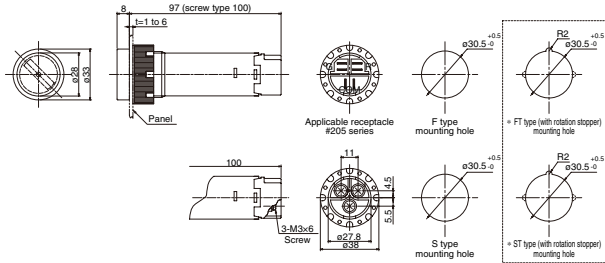
* To use any pitch other than the above, contact FUJI ELECTRIC INDUSTRY.



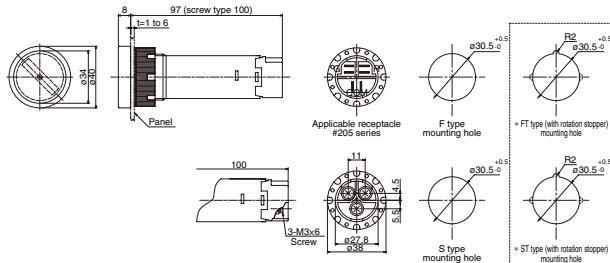
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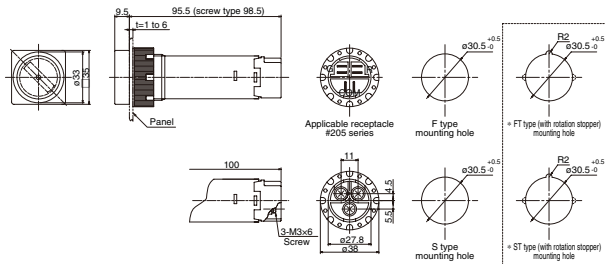
SPR-3



SPR-4



SPL-3



SPL-4

