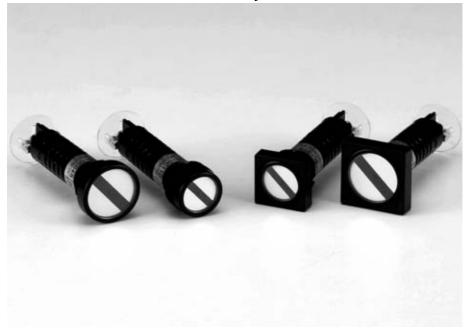


SPSR TYPE, SPSL TYPE



SPECIFICATIONS (RATINGS, PERFORMANCE)

Type Specification	SPSR/SPSL	
Rated insulation voltage (Ui)	250V	
Rated operational voltage	24V, 30V, 48V, 100 / 110V, 125V, 200 / 220V DC	
	±15% (24V, 48V, 200 / 220V)	
Voltage fluctuation range	-20 to 30% (100 / 110V, 125V)	
Rated current	11mA	
Insulation resistance	1,000MΩ or more (between live parts and mounting panel)	
Withstand voltage	2,000V AC / 1min.	
Lightning impulse	±4.5kV, 3 times for each pole (1.2 / 50μs)	
Shock resistance	490m/s², in 6-axis directions, 3 times each	
Service life	100,000 times or more	
Degree of protection	IP52	
Operating temperature	−20 to 60°C	
Storing temperature	−30 to 75°C	
Relative humidity	45 to 85%	
Altitude	2,000 m max.	
Applicable wire size	e wire size AWG 20 to 14	
Screw size	M3.5 x 8, with square washer	
Panel thickness	1 to 6mm	
Weight	Approx. 30g	

^{*} For the overseas standard conformable ratings, refer to B47.

SEMAPHORE INDICATOR

SPSR TYPE, SPSL TYPE

FEATURES



The SPS type indicators have acquired TÜV and CCC certification, and conform to the EN (IEC) standard

Thus, these products have been certified as global standard products conformable with international standards. (TUV and CE marks are attached to the product body.)



To enhance safety, the terminal cover for wiring screw live parts is provided as a standard feature.



With the compact design, the SPS type indicator meets the requirements for size and weight reduction.



The round and square types can be selected as the face shape of the indicator. Indication can be differentiated by the face shape, which enhances the panel design easily.





97mm (Thread: 100)









With the energy-saving design, power consumption can be reduced to approx. one fourth that of conventional models.

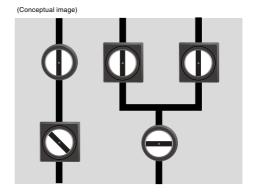
 * Rated operating current at 24 V DC: (Conventional) SPR/L: approx. 37 mA SPSR/L: approx. 9 mA



Since the circuit status is indicated by the flag shape, erroneous recognition is prevented. The circuit ON/OFF status can be recognized at a glance.

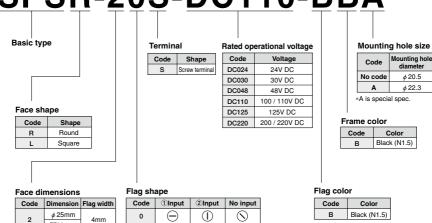


Twisted wires up to AWG14 size (equivalent to 2.5 mm²) can be connected.



HOW TO ORDER





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(L)

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(1)

2

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(♥)

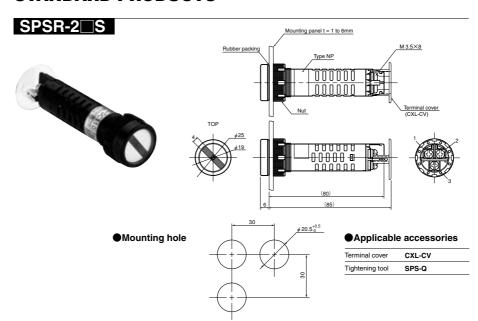
STANDARD PRODUCTS

□28mm

φ 32mm

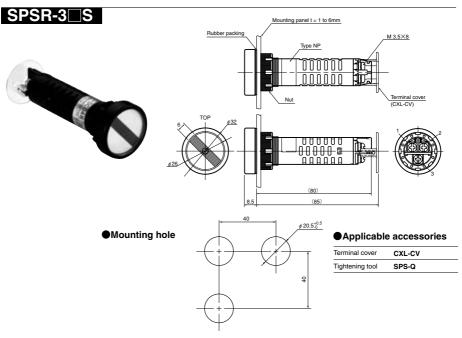
□35mm

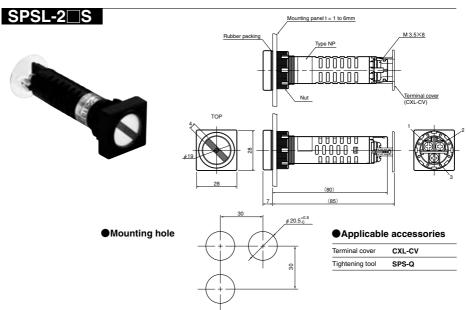
3

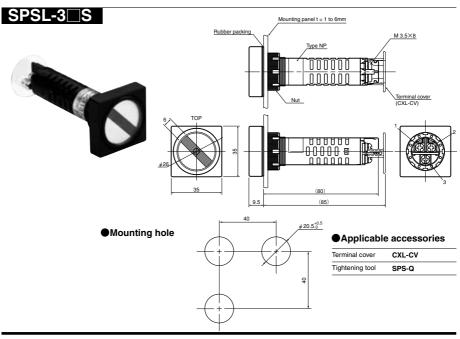




STANDARD PRODUCTS







ACCESSORIES

Terminal cover

(Order unit: 10)

●CXL-CV



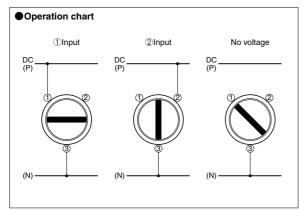
* The terminal cover is provided as standard equipment.

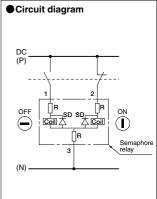
Tightening tool

●SPS-Q



OPERATION AND CIRCUIT SPECIFICATIONS





OVERSEAS STANDARD CONFORMABLE RATINGS (EN60947/IEC60947)

(1) Basic ratings and applications

No.	Item	Basic rating and application	IEC standard No.
1	Rated operational voltage	24V, 48V, 100 / 110V, 125V, 200 / 220V DC	IEC60947-5-1; 5.1-d
2	Rated operational current	11mA max.	IEC60947-5-1; 5.1-e
3	Rated insulation voltage (Ui)	250V	IEC60947-5-1; 5.1-f
4	IP code	IP 52	IEC60947-5-1; 5.1-I

(2) Normal operating conditions

No.	Item	Normal operating condition		IEC standard No.
1	Ambient temperature	−5°C to 40°C		IEC60947-1; 6.1.1
2	Altitude	2,000 m max.		IEC60947-1; 6.1.2
3	Atmospheric condition	Humidity: 90% max. (at 20°C), 50% (at 40°C) Microscopic environment: Pollution degree: 3		IEC60947-1; 6.1.3
4	Conditions during transport and strage	−25°C to 55°C +70°C for short periods (within 24 hours)		IEC60947-1; 6.2
5	Mounting of single hole mounted devices	φ 20.5mm		IEC60947-5-1; 6.3.1
6	Range of panel thickness	1 to 6mm		IEC60947-5-1; 6.3.1.2
7	Minimum distances between centres of mounting holes	SPSR/L-2□	30mm	JE000047 E 1: 0 0 1 0
		SPSR/L-3□	40mm	IEC60947-5-1; 6.3.1.3

(3) Structure and performance

No.	Item	Structure and performance	IEC standard No.
1	Connecting capacity	Twisted wire: AWG20 (2 pieces max.)	IEC60947-1; 7.1.7
		Round crimp terminal: AWG14 to 20 (2 pieces max.)	IEC60947-1; AnnexD
2	Withstand voltage	Power-frequency withstand voltage: 2,000V AC / 1min.	IEC60947-5-1; 7.2.3
3	Durability	Mechanical durability: 100,000 operations	IEC60947-5-1; AnnexC

Remarks: The SPS type indicators have acquired TÜV certification for the above items. For detailed information, contact Fuji Electric Industry.