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)
Power-frequency withstand voltage	2,000V AC / 1min.
Impulse withstand voltage	±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	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 B48

FEATURES



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

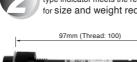
Thus, these products have been certified as global standard products conformable with international standards. (TUV and CE marks are attached to the product body.)



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.



(Conventional model) SPR-3 type: approx. 125g



SPSR-3 type: approx. 30g





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



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



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.

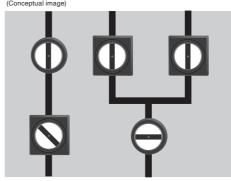






Since the circuit status is indicated by the flag shape, erroneous recognition is prevented. The circuit ON/OFF status can be recognized at a glance.





HOW TO ORDER

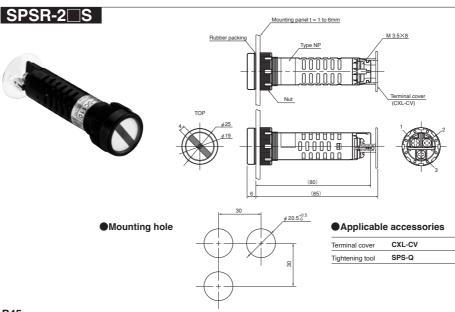
[SPSR type, SPSL type]

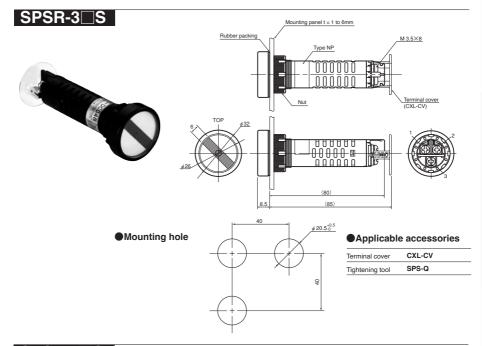
SPS R - 2 0 S - DC110 - B B A

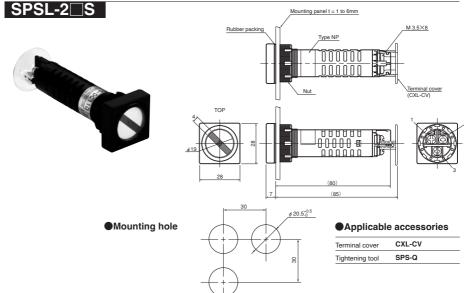
(1) (2)	(3) (4) (5)	(6)	(7) (8) (9)	
No.	Item	Code		Detail		Note
1	Basic type	SPS	_		SPS type	
② Face shape		R	Round		_	
6	i acc snape	L	Square		_	
3	Face dimensions	2		φ25mm □28mm		Flag width : 4mm
9	1 ace dimensions	3		φ32mm □35mm		Flag width : 6mm
	Flag shape		①Input	②Input	No input	_
		0	\bigcirc		\bigcirc	_
4		1	r	7	\Diamond	_
		2	Ţ	Ŀ	\odot	_
(5)	Terminal	S	Screw terminal		M3.5	
	Rated operational voltage	DC024		24V DC		_
		DC030		30V DC		_
6		DC048		48V DC		_
		DC110		100 / 110V DC		_
		DC125		125V DC		_
		DC220		200 / 220V DC		_
7	Flag color	В	Black (N1.5)		_	
8	Frame color	В	Black (N1.5)			_
9	Mounting hole size	No code		φ20.5		Standard
. 141		A*		φ22.3		Adapter mounting

^{*}A is special spec.

STANDARD PRODUCTS

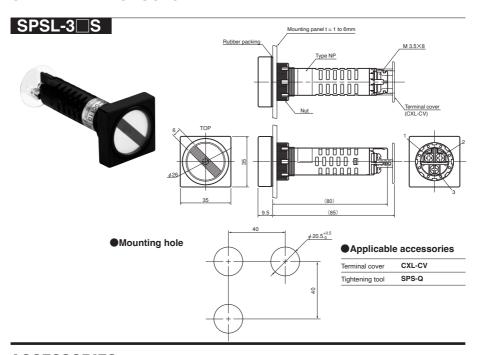








STANDARD PRODUCTS



ACCESSORIES

Terminal cover (Order unit: 10)

●CXL-CV



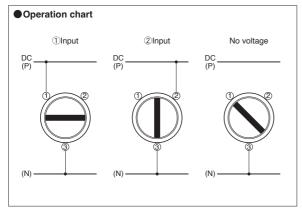
* The terminal cover is provided as standard equipment.

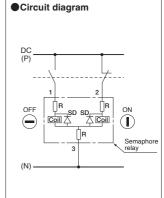
Tightening tool

●SPS-Q



OPERATION AND CIRCUIT SPECIFICATIONS





OVERSEAS STANDARD CONFORMABLE RATINGS (EN60947/IEC60947)

(1) Basic ratings and applications

(·/ 3				
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 opera	IEC standard No.	
1	Ambient temperature	–5℃ to 40℃		IEC60947-1; 6.1.1
2	Altitude	2,000 r	IEC60947-1; 6.1.2	
3	Atmospheric condition	Humidity: 90% max. (a	IEC60947-1; 6.1.3	
4	Conditions during transport and storage	-25℃ † +70℃ for short perio	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 center of mounting holes	SPSR/L-2□	30mm	JE000047 E 4: 0 0 4 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	Power-Frequency 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.