

INDICATOR SPS-TYPE ()

Semaphore Indicator





SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification	SPSR-2□S, 3□S	SPSL-2□S, 3□S	
Rated insulation voltage(Ui)	AC,DC250V		
Rated operational voltage (Ui)	DC24V, 30V, 48V, 100/110 V, 125 V, 200/220 V		
Voltage fluctuation range	±15% (24 V, 48 V, 200/220 V) —20 to 30% (100/110 V, 125V)		
Rated operational current (le)	11 mA max.		
Insulation resistance	1,000 MΩ over		
Power-frequency withstand voltage	2,000 V AC/min.		
Inpulse withstand voltage	$\pm 4,500$ V, 3 times for each pole (1.2/50 μ s)		
Shock resistance	490m/s² 6 directions 3 times		
Durability	Over 10 thousand cycles		
Degree of prolection	IP52		
Operating temperature	-20 to 60°C		
Storage temperature	─30 to 75°C		
Relative humidity	45 to 85%		
Altitude	Max 2,000 m		
Compatible copper conductors	AWG20 to 14		
Compatible terminal	M3.5×8 with square washer		
Mounting plate thickness	1 to 6 mm		
Weight	Approximately 30 g		

^{*} Please refer to page 6 for the rating compliant with the international standard.



FEATURES



TÜV approved International Standard products conforming to EN60947-1 and EN60947-5-1.

(The TÜV and CE marks are affixed on the main body of the product.)



Standard terminal cover for the live parts ensures a higher level of safety.



Customer requirements for size and weight reductions are completely satisfied by the equipment's compact design.





Option for a round or square external shape is available. Distinct display of each optional shape completes the sophisticated panel design.







A superior energy-efficient design has achieved further reductions of power consumption to one fourth the previous model.

Note: Rated operationl current/24VDC (Previous model) SPR/L model: Approx. 37 mA (New model) SPSR/L model: Approx. 9 mA

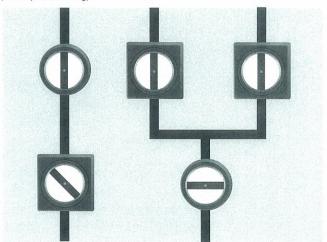


Compatible with at maximum an AWG14 power cable (equivalent to 2.5 mm²).



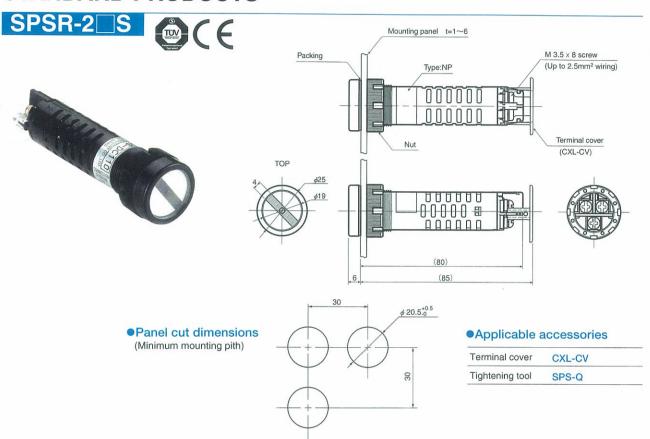
Visual-apparent circuit display makes it possible to verify the circuit connection accurately and instantly.

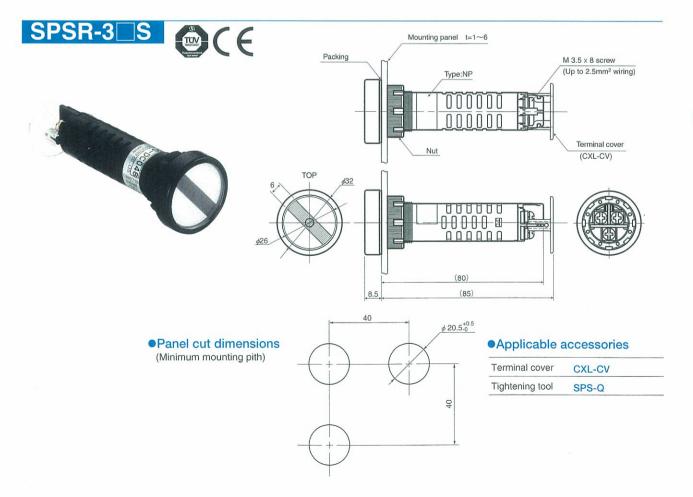






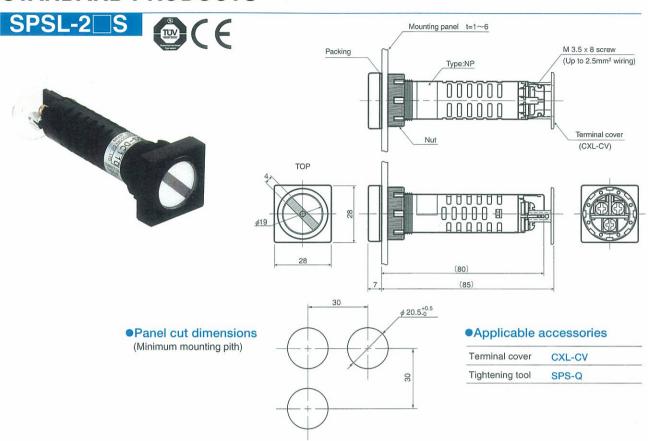
STANDARD PRODUCTS

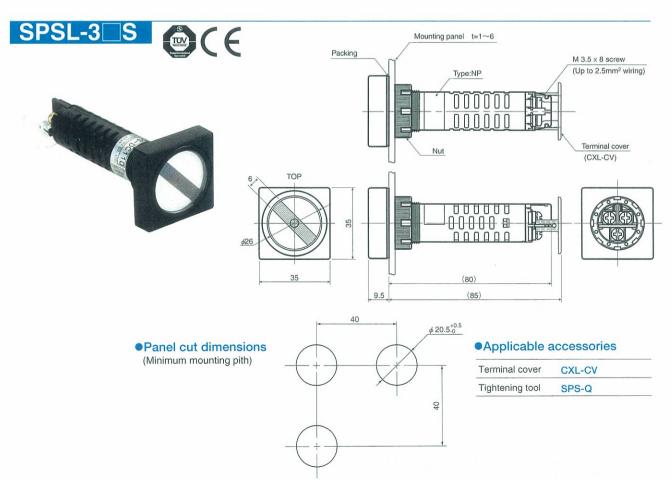






STANDARD PRODUCTS

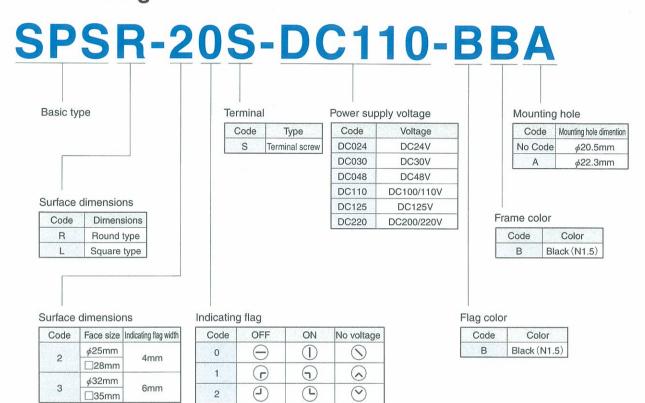




ORDERING METHOD

Refer to the following type code.

Product coding



ACCESSORIES

Terminal cover (Order unit : 10)

CXL-CV



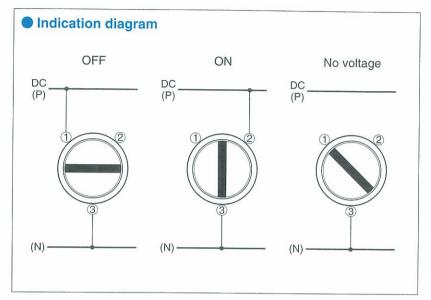
Note: The terminal cover is supplied with main unit. Tightening tool

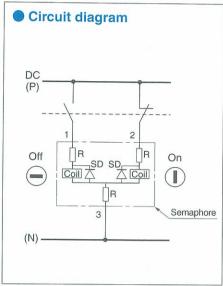
SPS-Q





MOVEMENT AND CIRCUIT





Rating compliant with the international standard (EN60947/IEC60947) as of June 2004

(1) Basic rated values and utilization

No.	Item	Basic rated values and utilization	IEC standard	
1	Rated operational voltages	DC24V, 48V, 100/110V, 125V, 200/220V	IEC60947-5-1; 5.1-d	
2	Rated operational currents	11mA max.	IEC60947-5-1; 5.1-e	
3	Rated insulation voltage	250V	IEC60947-5-1; 5.1-f	
4	IP code	IP 52	IEC60947-5-1; 5.1-I	

(2) Normal service conditions

No.	Item	Normal service conditions		EC standard
.1	Ambient air temperature	-5°C~+40°C		IEC60947-1; 6.1.1
2	Altitude	2,000m max.		IEC60947-1; 6.1.2
3	Atomspheric conditions	Humidity: max 90% at +20°C, 50% at +40°C Micro-environment: Pollution degree 3		IEC60947-1; 6.1.3
4	Conditions during transport and storage	Between –25°C and +55°C, for short periods not exceeding 24h, up to +70°C		IEC60947-1; 6.2
5	Mounting hole	see 3-4page		IEC60947-5-1; 6.3.1
6	Rangr of panel thickness	1~6mm		IEC60947-5-1; 6.3.1.2
7	Minimum mounting pitch	SPSR/L-2□	30mm	IEC60947-5-1; 6.3.1.3
		SPSR/L-3□	40mm	

(3) Basic rated values and utilization

No.	b. Item Basic rated values and utilization		EC standard
1	Connecting capacity	Stranded wire : AWG20(max 2pear)	IEC60947-1; 7.1.7
		With ring lug: AWG14-20(max 2pear)	IEC60947-1; AnnexD
2	Dielectric properties	Power frequency withstand voltage : AC2000V/1 minute	IEC60947-5-1; 7.2.3
3	Durability	Mechanical durability: 100,000times	IEC60947-5-1; AnnexC

Note: The above items have been certified according to TÜV. Please contact us for more details.