






# Semaphore & Position LED Indicators








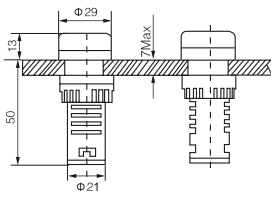



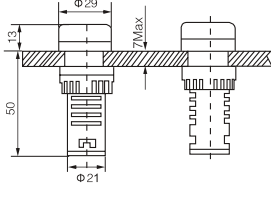




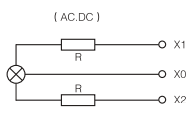
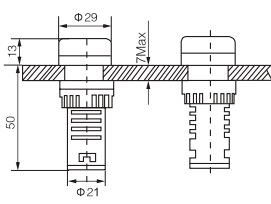



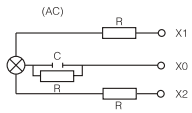
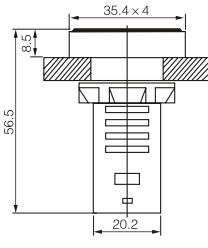



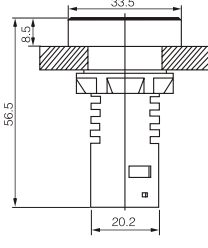




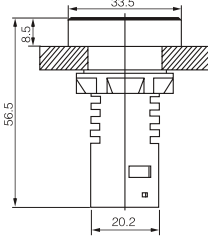
semaphore & Position LED indicator can simulate the operating position and condition of switch apparatus like switch and circuit breaker in electric system. it is extensively used on all kinds of mimic board of central control room and panel of switchgear in power plant, power station and transformer station. This serial of position indicators have high reliability, wide range of working voltage and long lifespan. DC and AC are available for usage, and operated by two color LED. The two colors are red and green. detail description is as below:

MODEL	Symbol	Connection		Equipment Status	
		X0-X1	X0-X2		
Disconnecting indicator		Red		Service	
			Green		Test
Earthing indicator		Red		Close	
			Green		Open
cross position indicator		Red		Close	
			Green		Open

## Specification

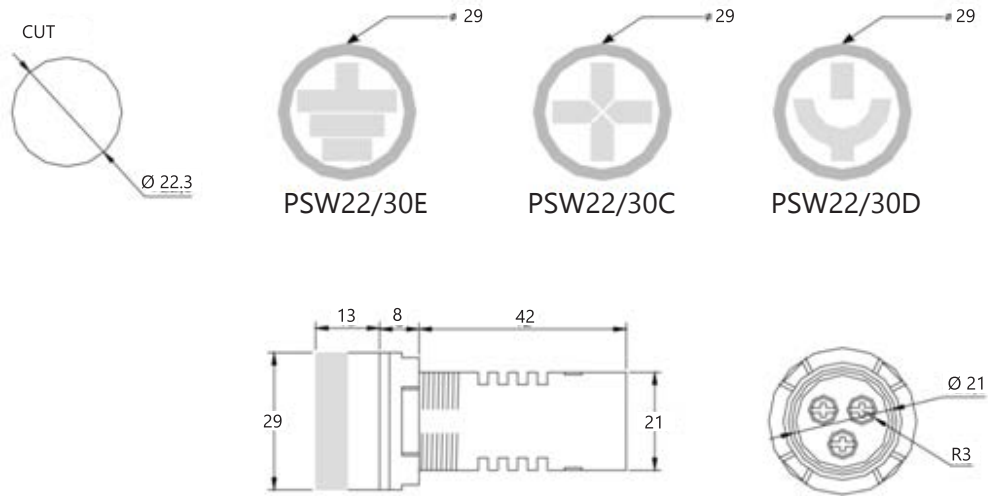
Conform to standards IEC 60073 (Lamp colors) and EN 60947-5 -1

Parameter	Value
Power frequency withstand voltage	2.5 KV per minute
Continuous operating life time	≥30,000 hrs.
Operating current	4-6 mA
Rated voltage	24-230 V AC/DC
Brightness	≥100 cd/m <sup>2</sup>
Ambient temp	-25°C ~ +55°C
Storage temp	-20°C ~ +70°C
Relative humidity	≤98%
Head protection class(front plate)	IP40 - IP67
Cut out	22.3 mm
Weight	30g.

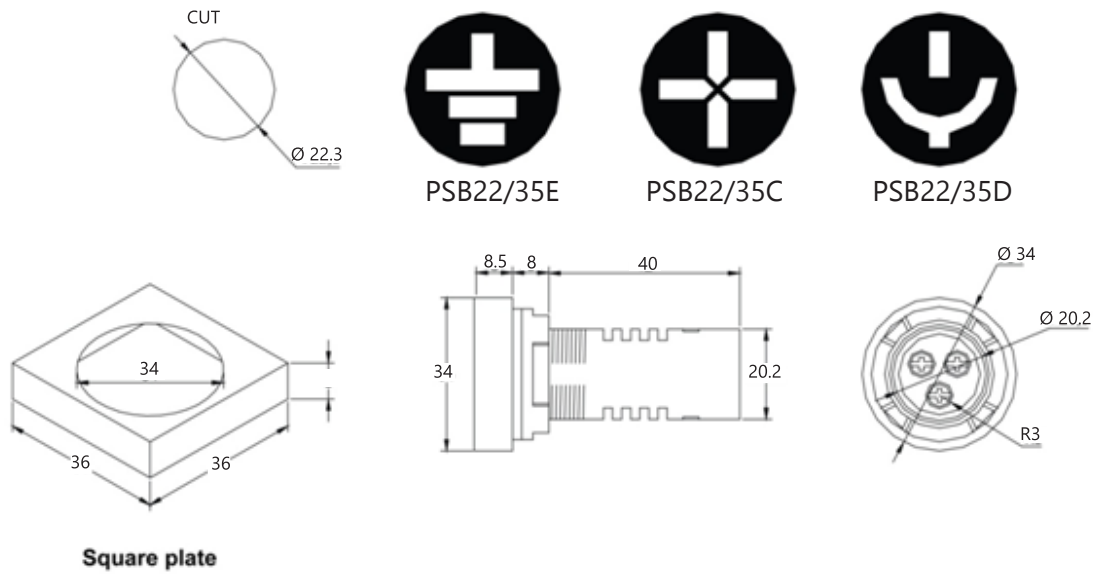
Version	Model	Color	Voltage	Electric Principle	Outer dimensions
 Disconnecting switch position indicator	PSW22/30RC	 X0/X1  X0/X2			
 Circuit breaker position indicator	PSW22/30RD	 X0/X1  X0/X2			
 Grounding position indicator	PSW22/30RE	 X1/X2  X0/X1  X0/X2	23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V	 <p>(AC, DC)</p>	
 Disconnecting switch position indicator	PSB22/35RC PSB22/35SC	 X0/X1  X0/X2	26-DC.AC 110V 27-DC.AC 127V 28-DC.AC 220V 31-AC 220V	 <p>(AC)</p>	
 Circuit breaker position indicator	PSB22/35RD PSB22/35SD	 X0/X1  X0/X2			
 Grounding position indicator	PSB22/35RE PSB22/35SE	 X1/X2  X0/X1  X0/X2			

## Dimension

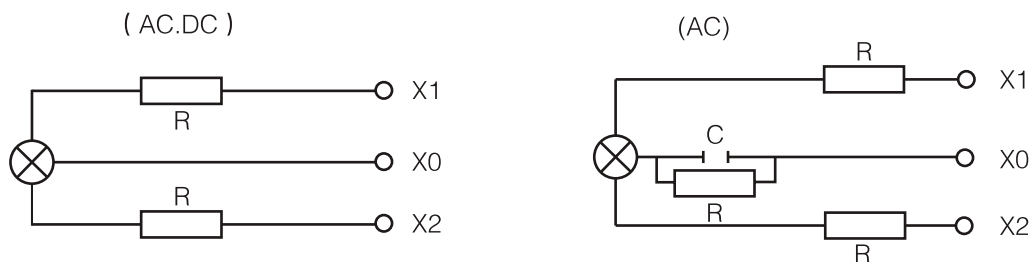
### PSW 22/30 (white plate)



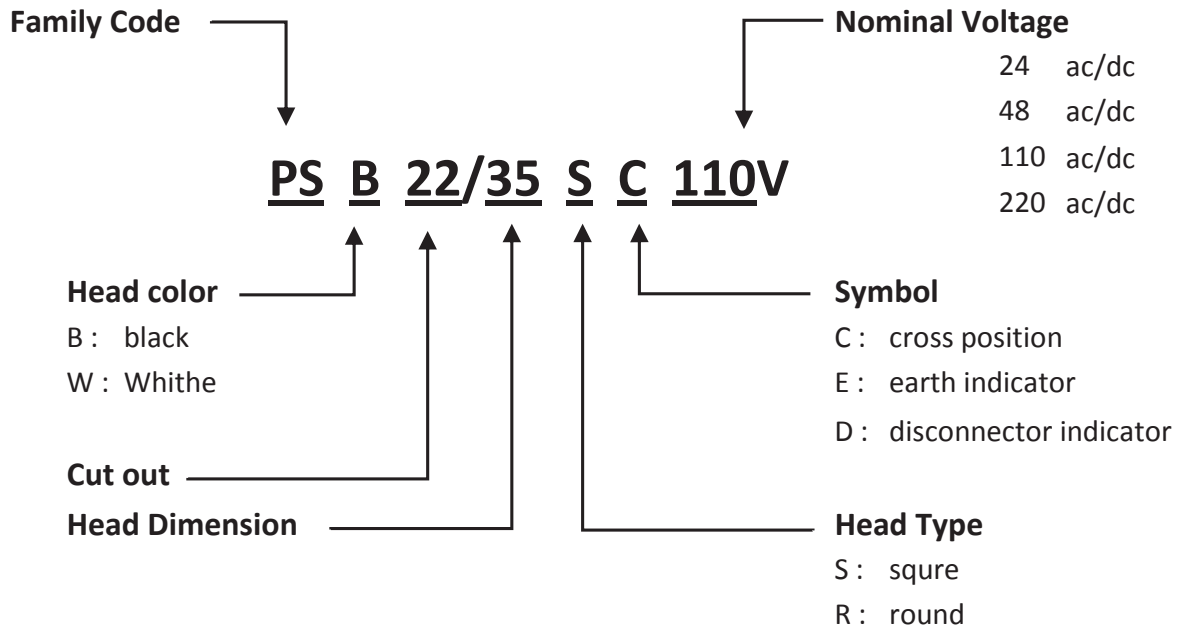
### PSB 22/35 (Black plate)



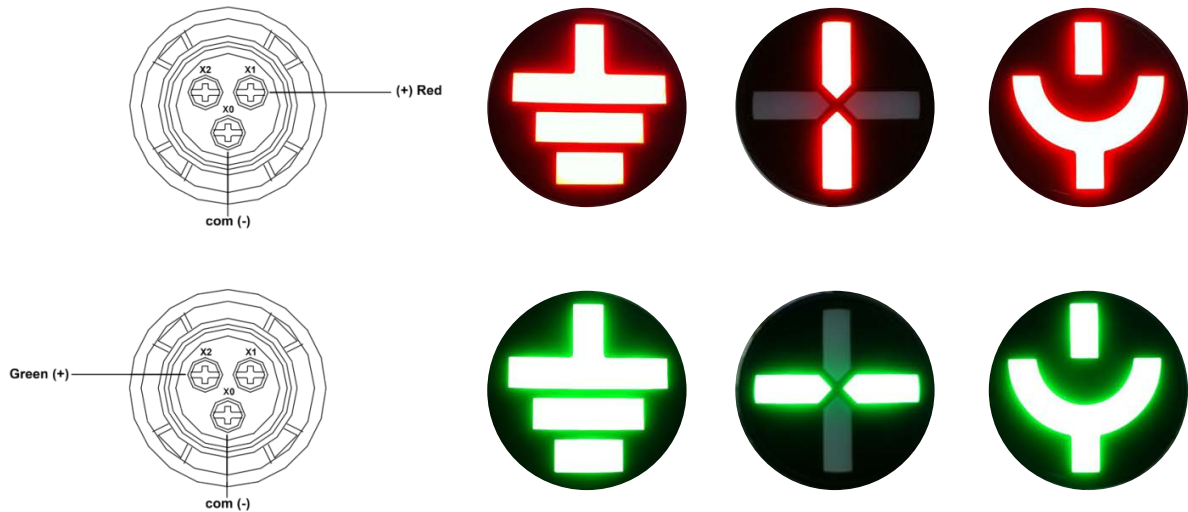
### Electric Principle



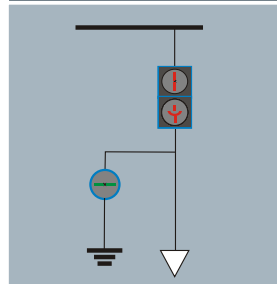
## Product Coding



## Wiring Diagram



### Application Example





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