



# SOLITRONICS ENGINEERING LTD.

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## Ø16mm LED Push Button Switches

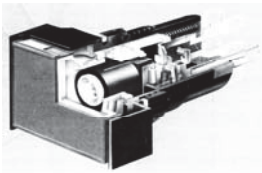
Date:  
**13<sup>th</sup> Nov. 2009**

Group:  
**SE-16D**

Part Number:  
**SE-16D-PBXX-XX-FX-X-XX**

Data Sheet:  
**SE-16D-PB**

**IEC-60947 GB-14048.5 IP40 (IP65 with Seal Cap)**



**18x24mm  
 Pictorial Section View**



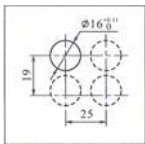
**18x24mm  
 Form-1**



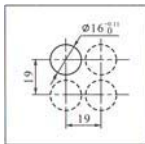
**18x18mm  
 Form-2**



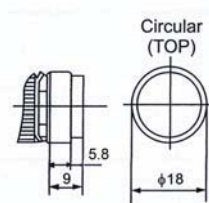
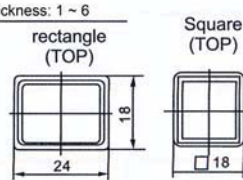
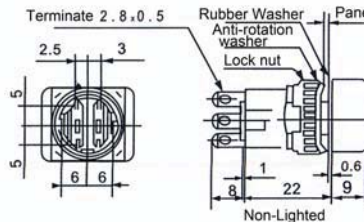
**Ø18mm  
 Form-3**


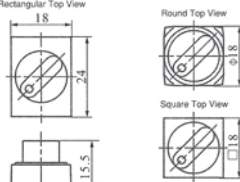


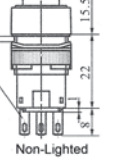
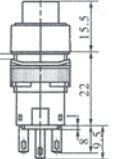




**Drilling Plan  
 for Form-1**



**Drilling Plan  
 for Form-2&3**



Product	Style	Working Manner	Contact	Type	Color	Lamp Voltage	Outline Dimensions (mm)
18x24mm Pushbutton		Momentary	11	SE-16D-PB11-XM-F1	R=Red G=Green Y=Yellow B=Blue W=White K=Black	00=No Lamp 21=6V AC/DC 22=12V AC/DC 23=24V AC/DC 26=110V AC/DC 28=220V DC only 31=220V AC only	    
			22	SE-16D-PB22-XM-F1			
		Maintained	11	SE-16D-PB11-XT-F1			
			22	SE-16D-PB22-XT-F1			
18x18mm Pushbutton		Momentary	11	SE-16D-PB11-XM-F2			
			22	SE-16D-PB22-XM-F2			
		Maintained	11	SE-16D-PB11-XT-F2			
			22	SE-16D-PB22-XT-F2			
18mmØ Pushbutton		Momentary	11	SE-16D-PB11-XM-F3			
			22	SE-16D-PB22-XM-F3			
		Maintained	11	SE-16D-PB11-XT-F3			
			22	SE-16D-PB22-XT-F3			

**Ordering Code: SE-16D-PBXX-XX-FX-X-XX**

SE-16D-PB XX - XX - FX - X - XX

11=1NO+1NC  
 22=2NO+2NC

NM=Non-Lighted Momentary  
 NT=Non-Lighted Maintained  
 DM=LED Lighted Momentary  
 DT=LED Lighted Maintained

F1=18x24mm  
 F2=18x18mm  
 F3=Ø18mm

R=Red  
 G=Green  
 Y=Yellow  
 B=Blue  
 W=White  
 K=Black

00=No Lamp  
 21=6V AC/DC  
 22=12V AC/DC  
 23=24V AC/DC  
 26=110V AC/DC  
 28=220V DC only  
 31=220V AC only

### Technical Parameters

Environmental Temperature	-25°C ~ +55°C	Electrical Life	AC-15 = 100x10 <sup>3</sup> Times DC-13 = 50x10 <sup>3</sup> Times	Voltage	AC-15	DC-14
Humidity	45 ~ 85%RH			24V	2.0A	0.7A
Contact Resistance	≤ 50mΩ	Protection Level	IP40 (IP65 with seal cap)	110V	1.0A	0.2A
Insulation Resistance	≥ 100MΩ	Operational Travel	1.5 ~ 2.0mm	220V	0.5A	0.1A
Withstand Voltage	> 200VAC					

Note: Due to continuous development all specifications and availability are subject to change without prior notice. Please confirm all details at time of ordering.