



# SOLITRONICS ENGINEERING LTD.

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## Ø22mm LED Mushroom-Head Push-Button Switch (LED-Lighted or Non-Lighted Mushroom-Head Switch with Metal Mounting Base)

Date:  
4th November 2009

Group:

SE-22D-PB-MR

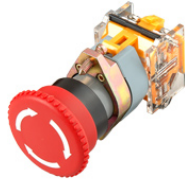
Part Number:

SE-22D-MR   -   -   -   -   -

Data Sheet:

SE-22D-PB-MR

IEC-60947 GB-14048.5 IP40



Emergency-Stop  
Mushroom Head Switch  
Form-F11& F21



Non-Lighted  
Mushroom-Head Switch  
Form-F12 & F22



LED-Lighted  
Mushroom-Head Switch  
Form-F13 & F23



Key-Lock  
Mushroom-Head Switch  
Form-F14 & F24

F21, F22, F23 & F24  
With Metallic Bezel Ring

F11, F12, F13 & F14  
Without Metallic Bezel  
Ring

Product	Push-Button Actuator Style	Switching Action	Contact Block	Ordering Code	Color	Lamp Voltage	Diameter (mm)	Outline Dimensions
Emergency-Stop Push-button (Non-Lighted)		Push-to Maintain Turn-Clockwise to Release	1NO+1NC	SE-22D-MR11-NT-F11/F21	R=Red G=Green	00=No Lamp  Emergency-Stop with three white-arrows on Mushroom-Head;	Ø40	
			2NO	SE-22D-MR20-NT-F11/F21				
			2NC	SE-22D-MR02-NT-F11/F21				
Mushroom-Head Push-button (Non-Lighted)		Momentary	1NO+1NC	SE-22D-MR11-NM-F12/F22	R=Red G=Green Y=Yellow K=Black	All other types are without marking	Ø40	
			2NO	SE-22D-MR20-NM-F12/F22				
			2NC	SE-22D-MR02-NM-F12/F22				
		Push-to-Maintain Turn-Clockwise to Release	1NO+1NC	SE-22D-MR11-NT-F12/F22				
			2NO	SE-22D-MR20-NT-F12/F22				
LED-Lighted Mushroom-Head Push-button		Momentary	1NO+1NC	SE-22D-MR11-DM-F13/F23	R=Red G=Green Y=Yellow W=White	22=12V AC/DC 23=24V AC/DC 24=36V AC/DC 25=48V AC/DC 26=110V AC/DC 27=127V AC/DC 28=220V DC 31=220V AC 32=380V AC	Ø40	
			2NO	SE-22D-MR20-DM-F13/F23				
			2NC	SE-22D-MR02-DM-F13/F23				
		Push-to-Maintain Turn-Clockwise To-Release	1NO+1NC	SE-22D-MR11-DT-F13/F23				
			2NO	SE-22D-MR20-DT-F13/F23				
			2NC	SE-22D-MR02-DT-F13/F23				
Key-Lock Mushroom-Head Push-button (Non-Lighted)		Push-to-Maintain Turn-Clockwise to Release	1NO+1NC	SE-22D-MR11-NT-F14/F24	R=Red	00=No Lamp	Ø40	
			2NO	SE-22D-MR20-NT-F14/F24				
			2NC	SE-22D-MR02-NT-F14/F24				

Ordering Code (26 Digits): SE-22D-MR   -   -   -   -   -   -

SE-22D-MR	<input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/>	-	F <input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/>
SE-22D Mushroom Head	Contact-Block		Non-Lighted or Lighted & Switch Action		Mushroom Button-Style & Switch Type		Button Colour		LED Lighted-type Voltage Code		Mushroom-Head Diameter
For actuator without Matt Metallic-Bezel specify Forms:- F11, F12, F13 & F14	11=1NO+1NC 20=2NO 02=2NC		NM= Non-Lighted Momentary NT= Non-Lighted Maintained DM= LED Lighted Momentary DT= LED Lighted Maintained		F11 = Emergency-Stop F12 = Non-Lighted PB F13 = LED-Lighted PB F14 = Key-lock Switch  F21 = Emergency-Stop (with Matt Metallic-Bezel) F22 = Non-Lighted PB (with Matt Metallic-Bezel) F23 = LED-Lighted PB (with Matt Metallic-Bezel) F24 = Key-lock Switch (with Matt Metallic-Bezel)		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 24=36V AC/DC 25=48V AC/DC 26=110V AC/DC 27=127V AC/DC 28=220V DC only 31=220V AC only 32=380V AC only		40= Ø40 diameter Mushroom-Head  60= Ø60 diameter Mushroom-Head
For actuator with Matt Metallic-Bezel specify Forms:- F21, F22, F23 & F24			(Emergency Switch Type:- Push-to-Maintain & Turn-Clockwise to Release )								

### Technical Parameters

Environmental Temperature	-25°C ~ +55°C	Protection Level	IP65	Voltage	AC-15 DC-13
Contact Resistance	≤ 50mΩ	Mechanical Life	50x10 <sup>3</sup> Times	24V	6A
Withstand Voltage	2500VAC 50Hz 1min			48V	3A
Insulation Voltage Rating U <sub>i</sub>	660VAC			110V	1A
				220V	6A
				380V	4A
				660V	2A

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

4-11-2009