



# Double Push Button Switches

<b>S</b>	<b>2</b>	<b>TR</b>	<b>-</b>	<b>P3</b>	<b>W</b>	<b>AB</b>	<b>D</b>
①	②	③		④	⑤	⑥	⑦

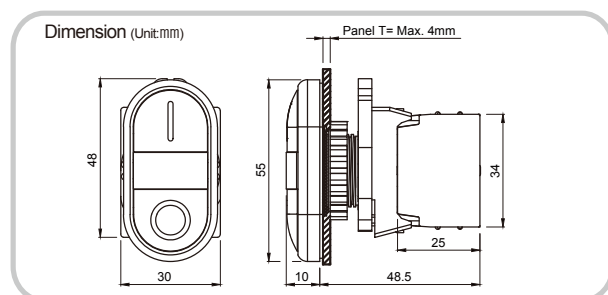
Classification	Ordering Information							Description		
	①	②	③	-	④	⑤	⑥		⑦	
Model	S								Control Switches	
Dimension	2								Ø22/25	
Appearance			TR						Double push button switches	
Operation					P3				Spring return type, Illuminated	
Color						W			WHITE	
Contact / LED Block							A		A (Normal Open) 110VAC/10A, 250VAC/6A	
							B		B (Normal Close) 110VAC/10A, 250VAC/6A	
							D		LED 12-24VDC/AC	
							L		LED 110-220VAC	

## ● Ø22/25 Double Push Button Switches (Non-Flush)



Model	Contacts		LED	
	A Contact	B Contact	DC Type	AC Type
S2TR - P3WABD	1EA	1EA	1EA	
S2TR - P3WABL	1EA	1EA		1EA



- Soft streamlined design
- Mounting hole layout : Ø22.5 / 25.5mm



## Control Switches Series

Items	Push Button Switches			Push Button Switches(Illuminated)		Double Push Button Switches	Start Push Button Switches
	Non-Flush Ø22 / 25	Non-Flush Ø30	Flush Ø30	Non-Flush Ø22 / 25	Flush Ø30	Non-Flush Ø22 / 25	Non-Flush Ø22 / 25
Mounting Hole Dimension	Ø22 / 25	Ø30	Ø30	Ø22 / 25	Ø30	Ø22 / 25	Ø22 / 25
Model	S2PR - P1	S3PR - P1	S3PF - P1	S2PR - P3	S3PF - P3	S2TR - P3	S2BR - P1
Appearance							
Page	06	07	07	08	08	12	13
Items	Selector Switches, Non-Flush			Selector Switches, Non-Flush			
	Short Lever Ø22 / 25		Long Lever Ø22 / 25	Short Lever Ø30		Long Lever Ø30	
Mounting Hole Dimension	Ø22 / 25		Ø22 / 25	Ø30		Ø30	
Model	S2SR - S3,5,7		S2SR - S4,6,8	S3SF - S3,5,7		S3SF - S4,6,8	
Appearance							
Page	10		10	11		11	
Items	Ø30 Emergency Switches		Ø40 Emergency Switches		Ø60 Emergency Switches		
	Large Head Ø22 / 25	Small Head Ø22 / 25	Non-Illuminated Ø22 / 25	Illuminated Ø22 / 25	Non-Illuminated Ø22 / 25		
Mounting Hole Dimension	Ø22 / 25	Ø22 / 25	Ø22 / 25	Ø22 / 25	Ø22 / 25		
Model	S2ER - E1	S2ER - E2	S2ER - E3	S2ER - E4	S2ER - E5		
Appearance							
Page	14	15	15	16	16		
Items	Dome Type / Horn Type / Flat Type Pilot Lamps						
	Dome Type Ø22 / 25	Horn Type Ø22 / 25	Flat Type Ø22 / 25	Flat Type, Flush Ø30			
Mounting Hole Dimension	Ø22 / 25	Ø22 / 25	Ø22 / 25	Ø30			
Model	L2RR - L1	L2RR - L2	L2RR - L3	L3RF - L3			
Appearance							
Page	17	18	18	19			

## Specifications

<b>Mechanical Characteristics</b>	Actuating Travel	5.5mm (0 ~ -0.5)	
	Actuating Force	4.9N (0.5Kgf) (at 1 contact)	
	Shock	Shock Resistance	500m/s <sup>2</sup> (50G) in each of x,y,z directions for 3 times
		Mechanical Malfunction	100m/s <sup>2</sup> (10G) in each of x,y,z directions for 3 times
	Vibration	Vibration Resistance	1.5mm amplitude at frequency of 10~55Hz(for 1minute) in each of x,y,z directions for 2 hours
Mechanical Malfunction		1.5mm amplitude at frequency of 10~55Hz(for 1minute) in each of x,y,z directions for 10 minutes	
	Mechanical Life Time	Min. 1 Million (20 times/min)	
<b>Electrical Characteristics</b>	Rated Voltage/Current	110VAC/10A, 250VAC/6A	
	Dielectric Strength	2000VAC 50/60Hz for 1 minute	
	Insulation Resistance	Min.100MΩ (at 500VDC)	
	Contact Resistance	Max.20mΩ (Initial value)	
	Electric Life Cycle	Min. 100 thousand (20 times/min)	
<b>LED block</b>	Rated Voltage	DC type : 12-24VAC/DC, AC type : 110-220VAC	
	Power Consumption	Max. 20mA	
	Ambient Temperature	-15 ~ 55 °C (at non-freezing status)	
<b>Environmental Characteristics</b>	Ambient Humidity	35 ~ 85%RH	
	Storage Temperature	-25 ~ 65 °C (at non-freezing status)	
	Protection Degree	IP52 (IP 50 for double push button switch)	
<b>Approval</b>	 (Emergency switches is  process of certification)		