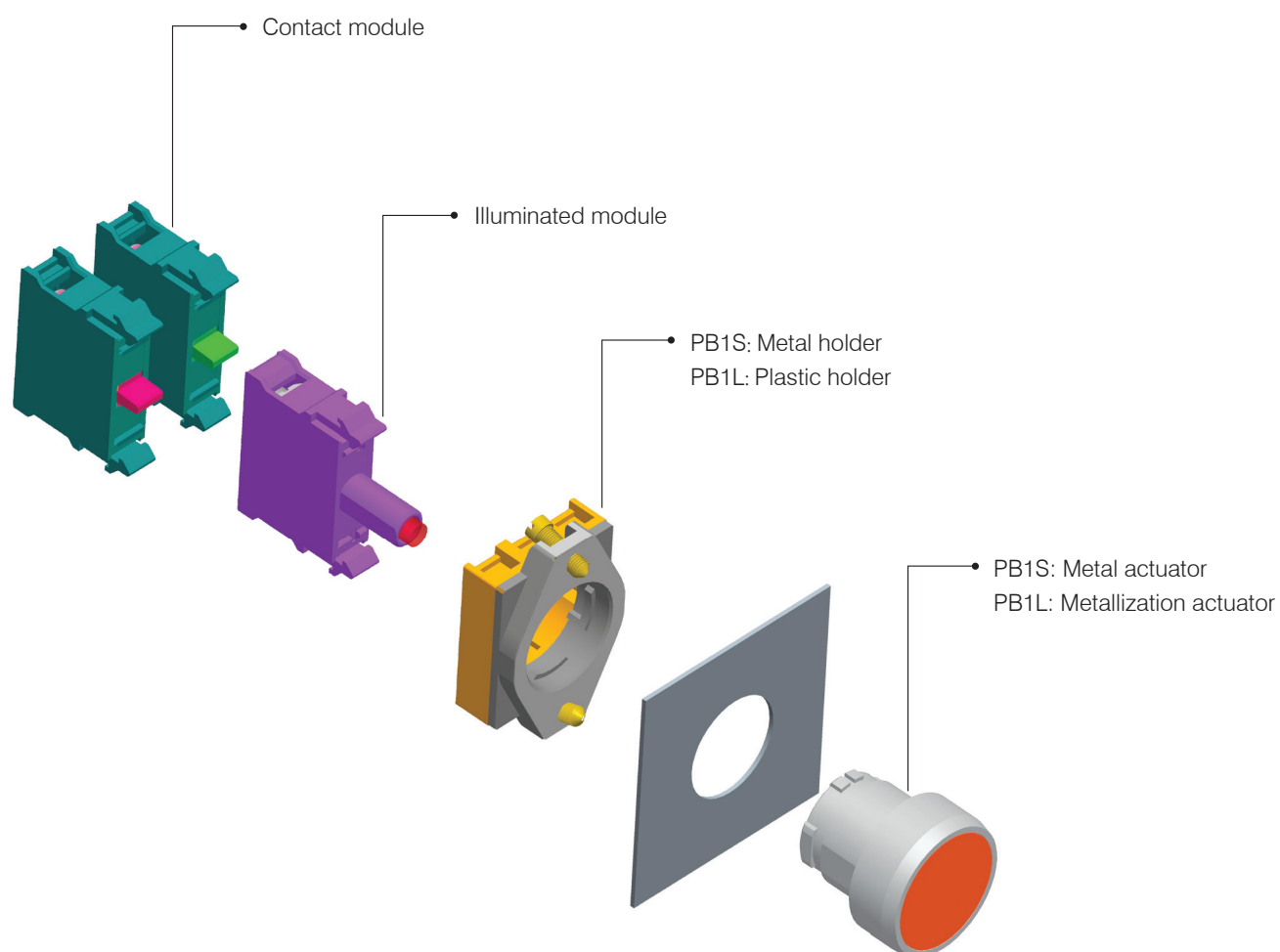


PB1S Emergency Switch Siemens APT

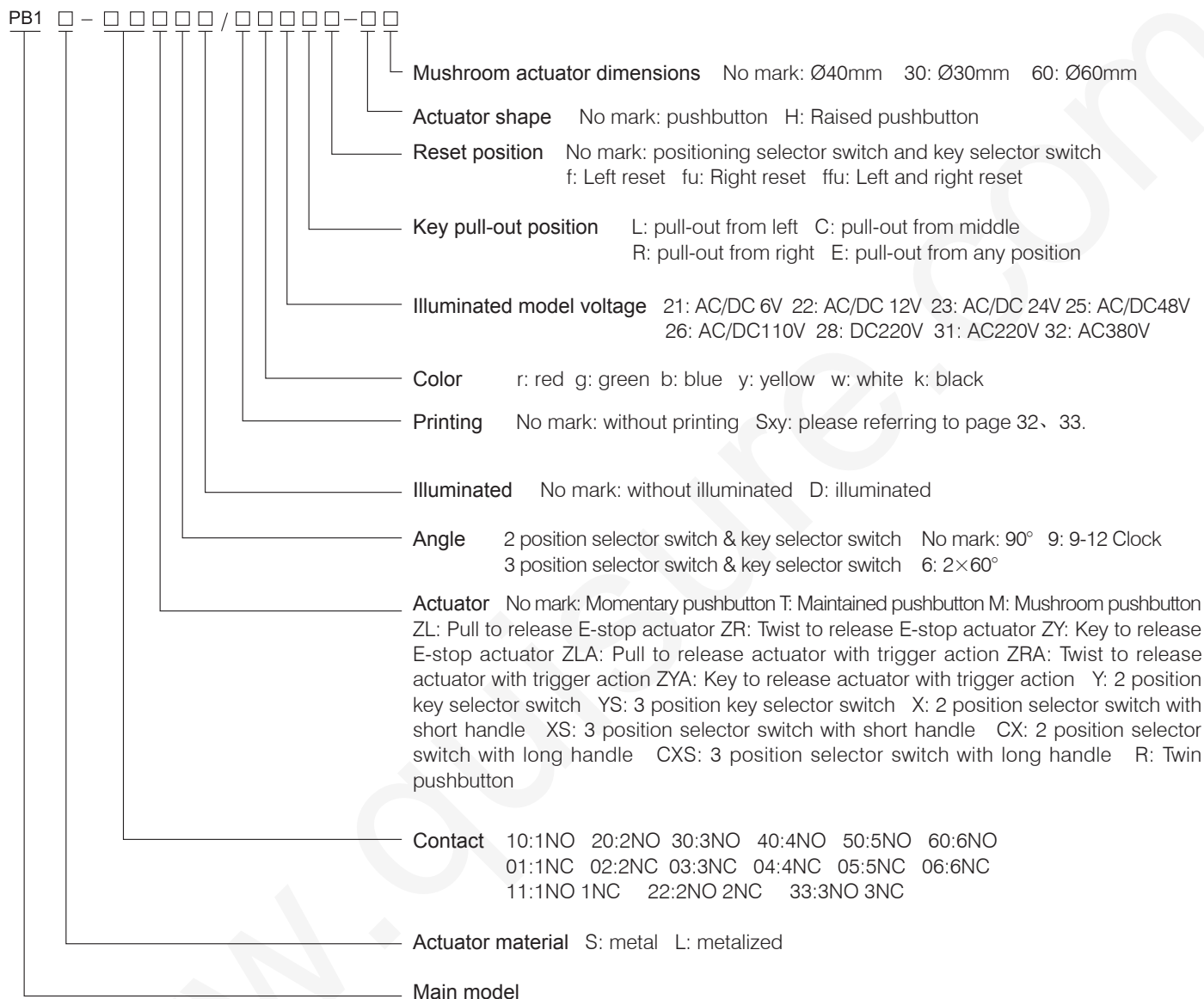
PB1 introduction

- RoHS material.
- Modularized design with easy installation.
- Protection class: IP65.



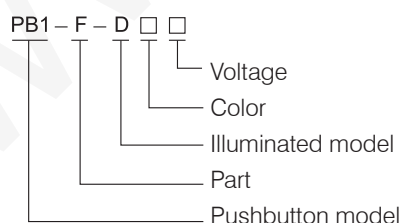
PB1S Emergency Switch

Model definition

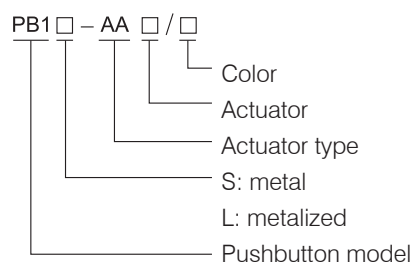


Part model

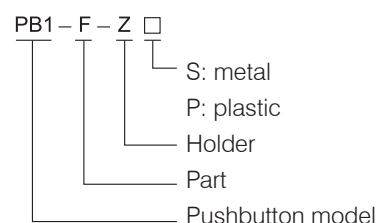
Illuminated model



Actuator



Holder



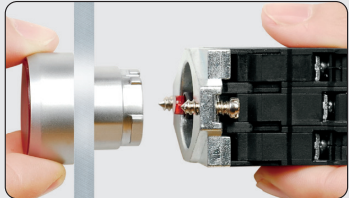
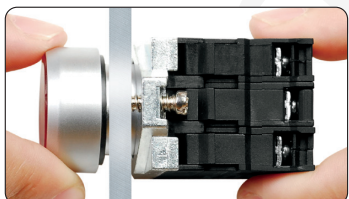
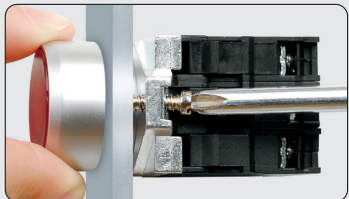
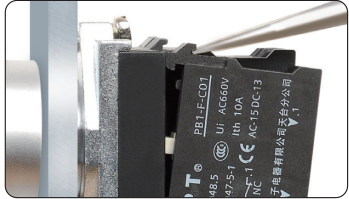
Technical Data

Technical data

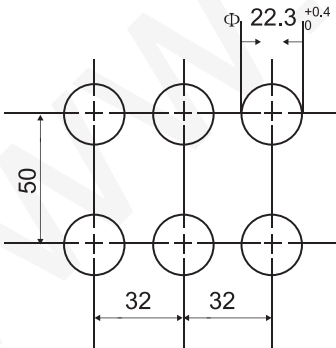
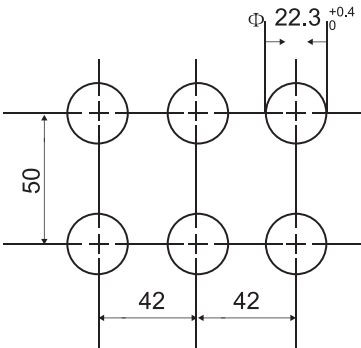
Standards:	IEC60947 Part1, IEC60947 Part 5-1, IEC60947 Part 5-5 GB14048.5, GB14048.1 GB14048.14 ISO13850									
Rated Insulation Voltage Ui:	AC 600V, 50Hz illumination module: AC440V, 50Hz; DC250V									
Rated Impulse Withstand Voltage Uimp:	AC 1890V 50Hz.1min									
Conventional Thermal Current Ith:	10A									
Rated Load:	Load type Rated operation voltage Ue				24V	48V	110V	220V	380V	440V
	AC-12	Rated operation current Ie	10A	-	10A	10A	10A	10A		
	DC-12		10A	8A	3.5A	1A	-	-		
	AC-15		6A	-	6A	6A	4A	4A		
	DC-13		6A	4A	1.2A	0.4A	-	-		
Illuminated data:	Voltage number 21 22 23 25 26 28 31 32									
	Voltage(V)AC/DC6VAC/DC12VAC/DC24V C/DC48V AC/DC110VDC220VAC220V AC380V									
	Current (mA) 18 17 16 11 18 5 19 12									
Pollution Class:	3									
Mechanical Endurance:	Pushbutton &Illuminated pushbutton& Mushroom pushbutton: 3×10 ⁶ times Selector switch & Compact pushbutton & Twin pushbutton &Maintained pushbutton: 3×10 ⁵ times Key selector switch & E-stop actuator: 5 X10 ⁴ times Contact model: 3X10 ⁶ times									
Operating Frequency:	1200 times/1hour									
Electrical Endurance:	5 X10 ⁵ times Ie / AC-15 at 6A/220V/230V Min. load: DC24V 5mA									
Operation Temperature:	Operation -25℃ -70℃ Storage -40℃ -80℃									
Protection Class:	IP65 Key selector switch IP54 Contact model and illuminated model IP20									
Shock Amplitude:	≤15g (IEC60068 2-27)									
Impact Amplitude:	≤5g 10-500Hz (IEC60068 2-6)									
Contact Resistance:	<50mΩ									
Contact Material:	AgNi10/Cu									

Installation Mounting-hole Dimensions

How to install?

1. Installing the actuator into the mounting-hole.	
2. Installing the holder.	
3. Tighten the screws on holder.	
4. Dismantle the switching element or the lighting element: for simply demounting the installed element, hold up the buckle of lock-type installation system with a straight screwdriver.	

Mounting-hole Size

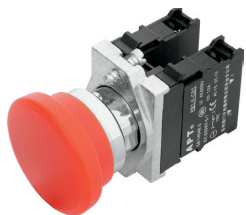
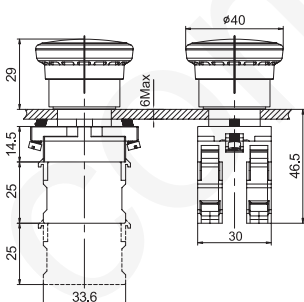

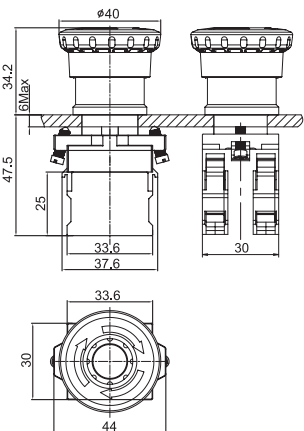
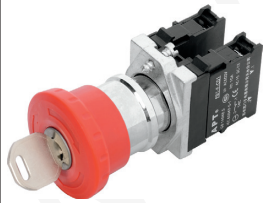
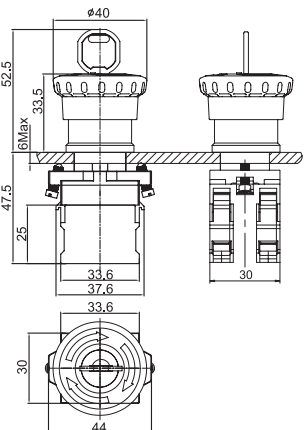
Pushbutton	E-stop pushbutton, Mushroom pushbutton, Select switch with long-handle
	

Notes:

- The tightening torque of wiring screw for switching element is 0.8-1.2Nm.
- The screw tightening torque of metal installation middle seat is no larger than 1Nm, and that of metalized installation middle seat is no larger than 0.8Nm.
- After installing the switching element or the lighting element, check whether the buckle is clipped in completely.

PB1S

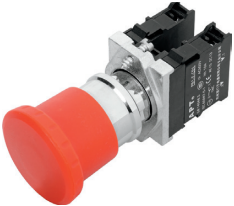
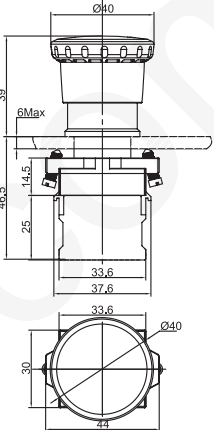

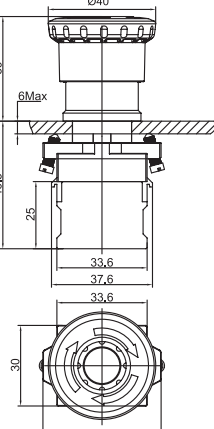
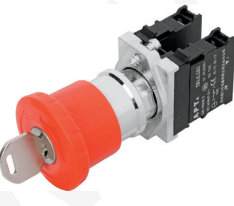
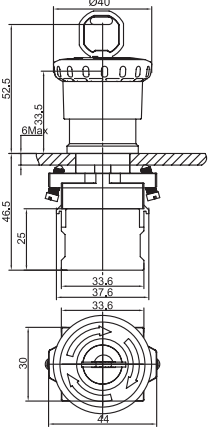
Emergency-stop switch selection

Name	Type	Status	Model	Color	Dimensions
Pull to release E-stop pushbutton		Latching	PB1S-■ZL/▲	red-r	
Twist to release E-stop pushbutton		Latching	PB1S-■ZR/▲	red-r	
Key to release E-stop pushbutton		Latching	PB1S-■ZY/▲	red-r	

Notes:

1. ■ : The type of contact module.
2. ▲ : The color of handle.
3. The pull to release E-stop pushbutton only have $\Phi 40$ mm series.
The twist to release pushbutton and key to release pushbutton have $\Phi 30$ mm、 $\Phi 40$ mm series.

Emergency-stop selection with trigger action





Name	Type	Status	Model	Color	Dimensions
Pull to release E-stop pushbutton with trigger action		Latching	PB1S-■ZLA/▲	red-r	
Twist to release E-stop ushbutton with trigger action		Latching	PB1S-■ZRA/▲	red-r	
Key to release E-stop ushbutton with trigger action		Latching	PB1S-■ZYA/▲	red-r	

Notes:

1. ■ : The type of contact module.
2. ▲ : The color of handle.
3. The pull to release E-stop pushbutton only have Ø40mm series.
The twist to release pushbutton and key to release pushbutton have Ø30mm、Ø40mm series.

Accessories

Accessories

Name	Type	Model	Description	Function
Contact module		PB1-F-C10	1NO	Contact module
		PB1-F-C01	1NC	
Illuminated module		PB1-F-D/▲★	▲ : Color ★ : Rated voltage	Illuminated module
Holder		PB1-F-ZS	S: metal	Holder
		PB1-F-ZP	P: Plastic	
Seal cover		PB1-F-M1	Only PB1S use	Select and use
		PB1-F-M2	Only PB1L use	
Protecting cover		F1	IP65	Select and use
		F2	Metal	Select and use

Accessories

Accessories

Name	Type	Model		Description	Function
Protective cap		F3-1		Plastic	
		F3-2		Plastic	
		F3-3		Plastic	
Installing ring		F7		Φ30mm	Select and use
Label holder		PB1-F-B11-10 书写面积25×10mm PB1-F-B11-18 书写面积25×18mm		Φ22.5mm	
Label panel		PB1-F-B12		Φ22.5mm	
Yellow name plate		F13-60 F13-90	Φ60 Φ90	Φ22.5mm	Used for emergency-stop pushbutton
		F14a-40 F14a-60	Φ40 Φ60		
		F14b-60 F14b-90	Φ60 Φ90		

Accessories

Accessories

Name	Type	Model		Description	Function
E- stop pushbutton protective cover		PB1-F-PC-a60		Φ22.5mm	Used for emergency-stop pushbutton
		PB1-F-PC-b60 PB1-F-PC-b90		Φ22.5mm	
Indicator light installing ring		F15-25 F15-30	Φ25 Φ30	Special for indicator light	Select and use
Indicator light insert label		F-18	POM	Printing	
Blanking plugs		F19	Φ22	Injection molding	