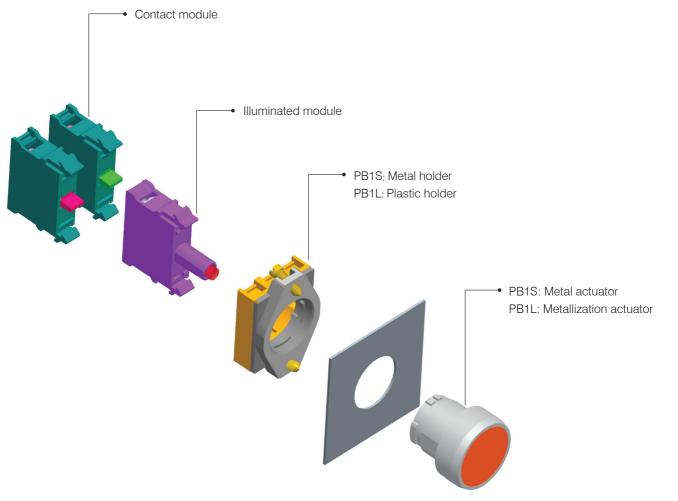
PB1S Emergency Switch Siemens APT

PB1 introduction

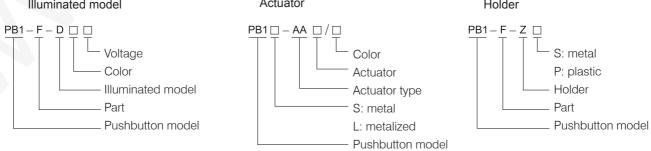
- RoHS material.
- Modularized design with easy installation.
- Protection class: IP65.





Model definition

	Mushroom actuator dimensions No mark: Ø40mr	n 30: Ø30mm 60: Ø60mm
	Actuator shape No mark: pushbutton H: Raised	pushbutton
	Reset position No mark: positioning selector swite f: Left reset fu: Right reset ffu: Left	
	Key pull-out positionL: pull-out from leftC: pullR: pull-out from rightE: pull-out from rightE: pull	
	Illuminated model voltage 21: AC/DC 6V 22: AC/D 26: AC/DC110V 28: DC	C 12V 23: AC/DC 24V 25: AC/DC48V C220V 31: AC220V 32: AC380V
	Color r: red g: green b: blue y: yellow w: w	hite k: black
	Printing No mark: without printing Sxy: please re	eferring to page 32、33.
	Illuminated No mark: without illuminated D: illum	inated
	Angle2 position selector switch & key selector sw 3 position selector switch & key selector sw	
	Actuator No mark: Momentary pushbutton T: Maintaine ZL: Pull to release E-stop actuator ZR: Twist to relea E-stop actuator ZLA: Pull to release actuator with actuator with trigger action ZYA: Key to release actu- key selector switch YS: 3 position key selector swit short handle XS: 3 position selector switch with s switch with long handle CXS: 3 position selector pushbutton	se E-stop actuator ZY: Key to release trigger action ZRA: Twist to release lator with trigger action Y: 2 position ch X: 2 position selector switch with hort handle CX: 2 position selector
	Contact 10:1NO 20:2NO 30:3NO 40:4NO 50: 01:1NC 02:2NC 03:3NC 04:4NC 05:5 11:1NO 1NC 22:2NO 2NC 33:3NO 3	5NC 06:6NC
	Actuator material S: metal L: metalized	
	Main model	
Part model		
Illuminated model	Actuator	Holder





Technical Data

Technical data

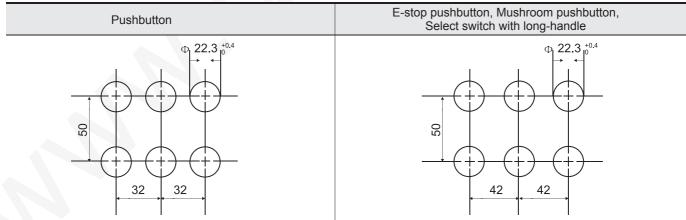
Standards:	IEC60947 Part1, IEC60947 Part 5-1, IEC60947 Part 5-5 GB14048.5, GB14048.1 GB14048.14 ISO138								
Rated Insulation Voltage Ui:	AC 600V, 50Hz illumination module: AC440V, 50Hz; DC250V								
Rated Impulse Withstand Voltage Uimp:	AC 1890V 50Hz.1min								
Conventional Thermal Current Ith:	10A	10A							
	Load type Rated operation voltage Ue			48V	110V	220V	380V	440V	
Deted Lood:	AC-12	Rated operation	10A	-	10A	10A	10A	10A	
Rated Load:	DC-12	current le	10A	8A	3.5A	1A	-	-	
	AC-15		6A	-	6A	6A	4A	4A	
	DC-13		6A	4A	1.2A	0.4A	-	-	
	Voltage numb	ber 21 22 23 2	25 26	6 28	31 32	2			
Illuminated data:	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: 5×10^{4} times Contact model: 3×10^{6} times								
Operating Frequency:	1200 times/1hour								
Electrical Endurance:	5 X10 ⁵ times le / AC-15 at 6A/220V/230V Min. load: DC24V 5mA								
	Operation -25°C -70°C Storage -40°C -80°C								
Operation Temperature:									
Operation Temperature: Protection Class:	Storage -40		Conta	act mode	el and illu	minated r	nodel IP2	20	
	Storage -40	°C -80 °C	Conta	act mode	el and illu	minated r	nodel IP2	20	
Protection Class:	Storage -40 IP65 Key ≤15g (IEC	C -80 C selector switch IP54	Conta	ict mode	el and illu	minated r	nodel IP2	20	
Protection Class: Shock Amplitude :	Storage -40 IP65 Key ≤15g (IEC	C -80 C selector switch IP54 60068 2-27)	Conta	act mode	el and illu	minated r	nodel IP2	20	

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.	To <u>Eliteron</u> 63 (a) <u>Action</u> 73 (a) <u>Action</u> 73 (a) <u>Action</u> 64 (a) (a) <u>Action</u> (a) (a) <u>Action</u> (a) (a) (a) (a) (a) (a) (a) (a) (a) (a)

Mounting-hole Size



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	Туре	Status	Model	Color	Dimensions		
Pull to release E-stop bushbutton		Latching	PB1S-∎ZL/▲	red-r			
Twist to release E-stop ushbutton		Latching	PB1S-∎ZR/▲	red-r	940 5'te 91'te		
Key to release E-stop ushbutton		Latching	PB1S-∎ZY/▲	red-r	940 940 940 9000000 900000 90000000 900000000		

Notes:

1. \blacksquare : The type of contact module.

2. \blacktriangle : The color of handle.

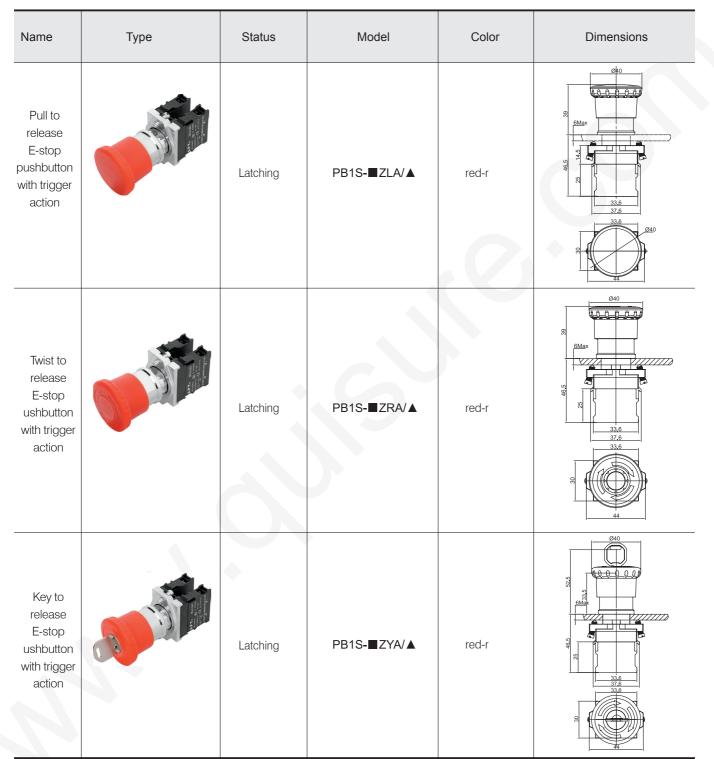
3.The pull to release E-stop pushbutton only have $\Phi\,40\text{mm}$ series.

The twist to release pushbutton and key to release pushbutton have Ø30mm、Ø40mm series.

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PB1S

Emergency-stop selection with trigger action



Notes:

1. \blacksquare : The type of contact module.

2. \blacktriangle : 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 \emptyset 30mm, \emptyset 40mm series.



Accessories

Name	Туре	Model	Description	Function	
		PB1-F-C10	1NO		
Contact module	A provide a second a	PB1-F-C01	1NC	- Contact module	
Illuminated module		PB1-F-D/▲★	▲: Color ★ : Rated voltage	Illuminated module	
Holder		PB1-F-ZS	S: metal	Usidas	
		PB1-F-ZP	P: Plastic	- Holder	
Seal cover	0	PB1-F-M1	1-F-M1 Only PB1S use		
		PB1-F-M2	Only PB1L use	- Select and use	
Protecting cover		F1	IP65	Select and use	
	6	F2	Metal	Select and use	



Accessories

Accessories

Name	Туре	Model		Description	Function
		F3-1		Plastic	
Protective cap		F3-2		Plastic	
		F3-3		Plastic	
Installing ring	0	F7		Ф30mm	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	UF ON	PB1-F-B12		Φ22.5mm	
Yellow name plate	STOP	F13-60 F13-90	Ф60 Ф90	Ф22.5mm	Used for emergency-stop pushbutton
		F14a-40 F14a-60	Φ 40 Φ60		
		F14b-60 F14b-90	Ф60 Ф90		

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Accessories

Name	Туре	Model		Description	Function	
E- stop pushbutton protective cover		PB1-F-PC-a60		Φ22.5mm	Used for	
		PB1-F-PC-b60 PB1-F-PC-b90		Φ22.5mm	emergency-stop pushbutton	
Indicator light installing ring	0	F15-25 F15-30	Ф25 Ф30	Special for indicator light		
Indicator light insert label	START	F-18	РОМ	Printing	Select and use	
Blanking plugs		F19	Φ22	Injection molding		