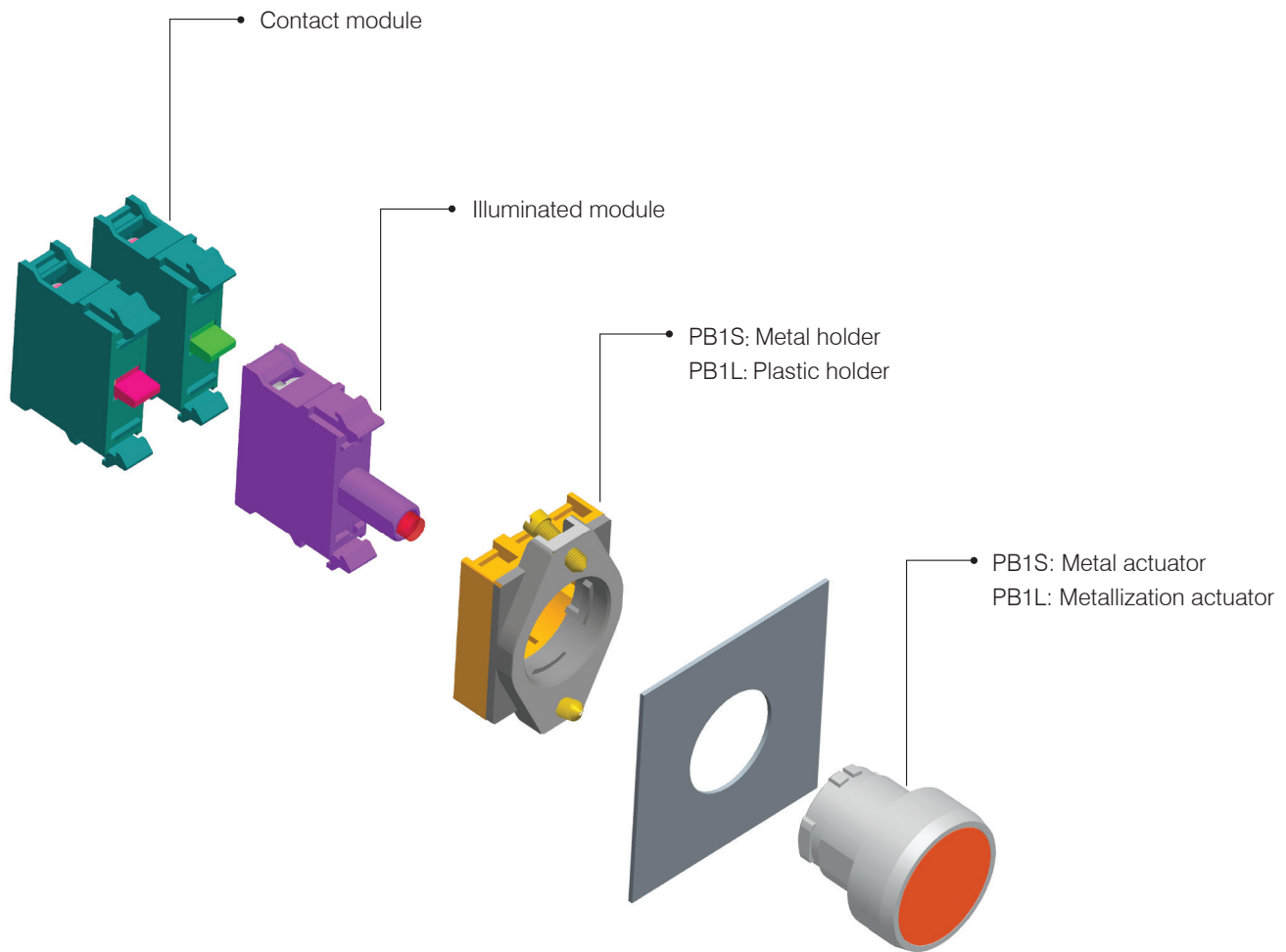


PB1L Push Button 22mm Siemens APT

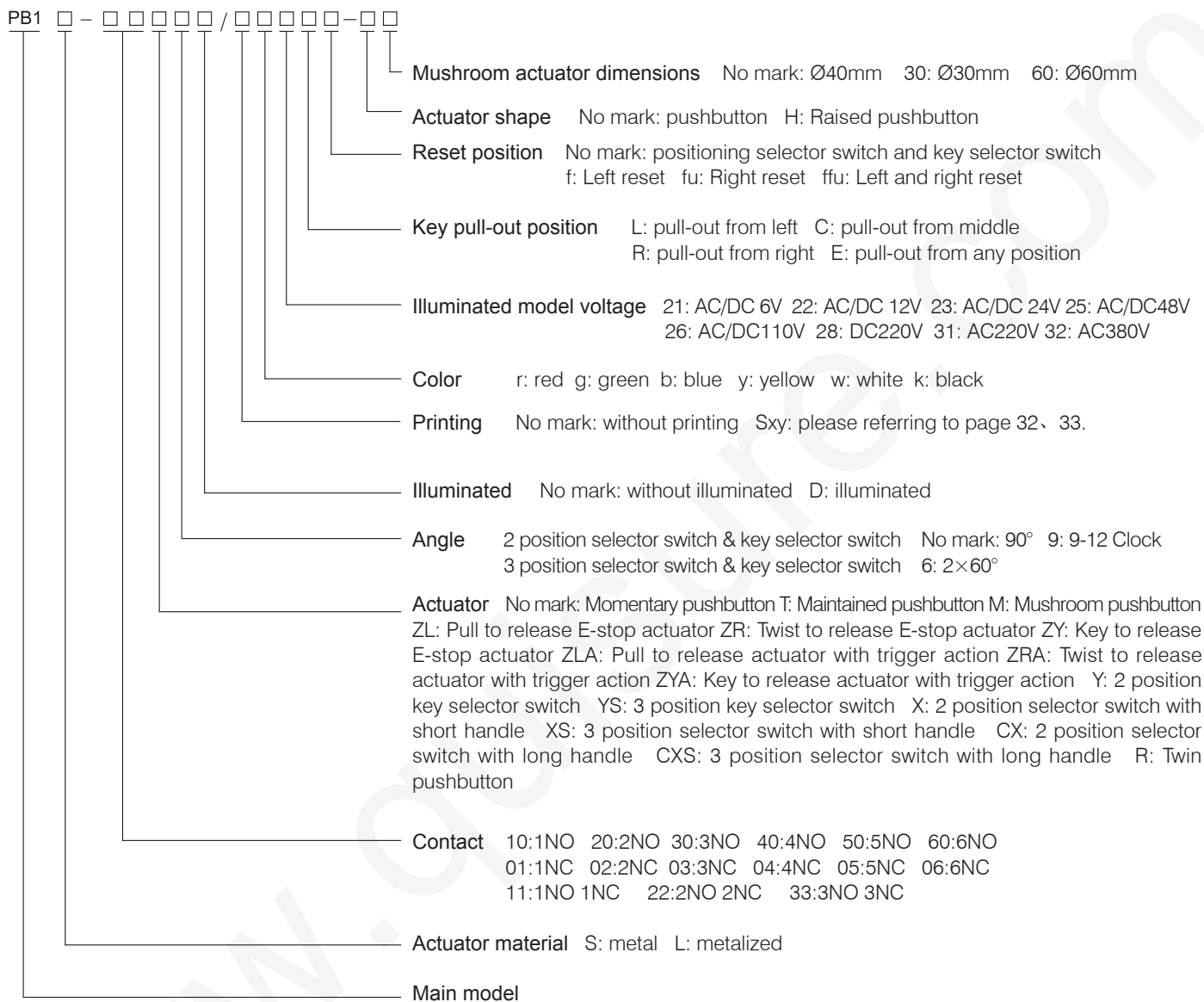
PB1 introduction

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



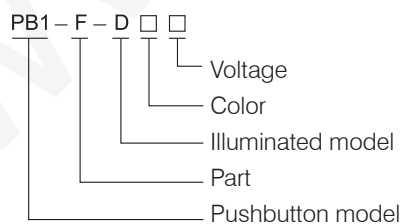
PB1L Twin Push Button 22mm Siemens APT

Model definition

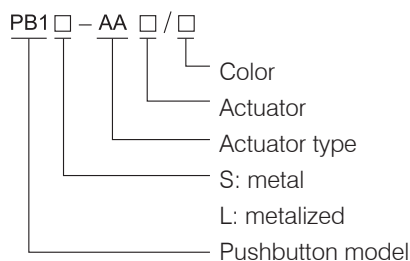


Part model

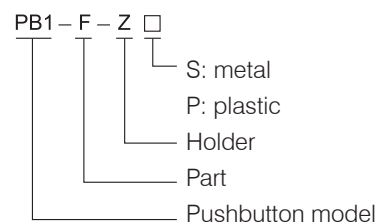
Illuminated model



Actuator



Holder



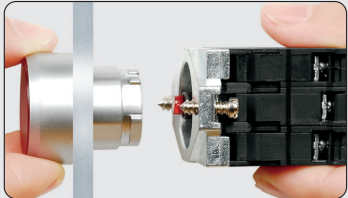
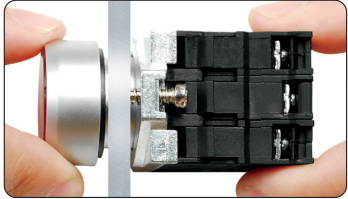
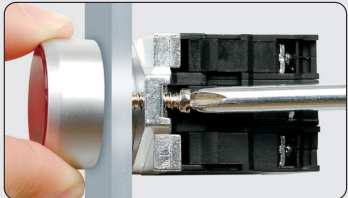
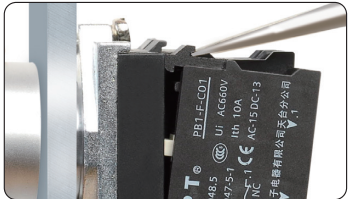
Technical Data

Technical data

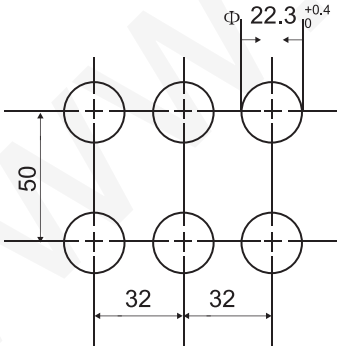
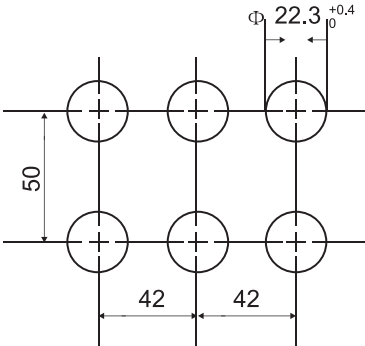
Standards:	IEC60947 Part1, IEC60947 Part 5-1, IEC60947 Part 5-5 GB14048.5, GB14048.1 GB14048.14 ISO13850							
Rated Insulation Voltage U_i :	AC 600V, 50Hz illumination module: AC440V, 50Hz; DC250V							
Rated Impulse Withstand Voltage U_{imp} :	AC 1890V 50Hz.1min							
Conventional Thermal Current I_{th} :	10A							
Rated Load:	Load type Rated operation voltage U_e		24V	48V	110V	220V	380V	440V
	AC-12	Rated operation current I_e	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: 5×10^4 times Contact model: 3×10^6 times							
Operating Frequency:	1200 times/1hour							
Electrical Endurance:	5×10^5 times I_e / AC-15 at 6A/220V/230V Min. load: DC24V 5mA							
Operation Temperature:	Operation -25°C -70°C Storage -40°C -80°C							
Protection Class:	IP65 Key selector switch IP54 Contact model and illuminated model IP20							
Shock Amplitude:	$\leq 15g$ (IEC60068 2-27)							
Impact Amplitude:	$\leq 5g$ 10-500Hz (IEC60068 2-6)							
Contact Resistance:	$< 50m\Omega$							
Contact Material:	AgNi10/Cu							

Installation Mounting-hole Dimensions

How to install?

<p>1. Installing the actuator into the mounting-hole.</p>	
<p>2. Installing the holder.</p>	
<p>3. Tighten the screws on holder.</p>	
<p>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.</p>	

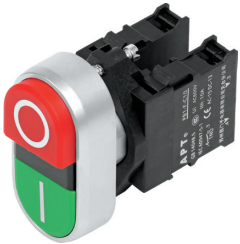
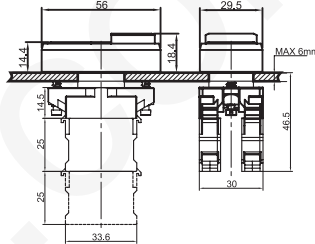

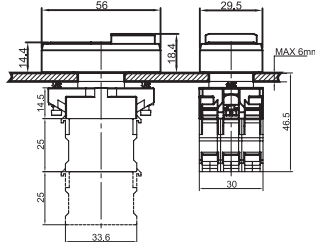
Mounting-hole Size

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.

Twin push button selection



Name	Type	Model	Color	Rated voltage of illumination module	Dimensions
Twin pushbutton		PB1L-■R/▲▲	red-r green-g		
Illuminated twin pushbutton		PB1L-■RD/▲▲▲★	red-r green-g	21-AC/DC 6V 22-AC/DC 12V 23-AC/DC 24V 25-AC/DC 48V 26-AC/DC 110V 28-DC 220V 31-AC 220V 32-AC 380V	

Notes:

1. ■ : The type of contact module.
2. The first and second ▲ : The color of handle.
3. The third ▲ : The color of illuminated module.
4. ★ : Rated voltage of illumination module.

Accessories

Accessories

Name	Type	Model	Description	Function
Twin pushbutton		PB1S-AAR/▲▲ PB1L-AAR/▲▲	▲: color r-red g-green	Actuator
Illuminated twin pushbutton		PB1S-AARD/▲▲ PB1L-AARD/▲▲		