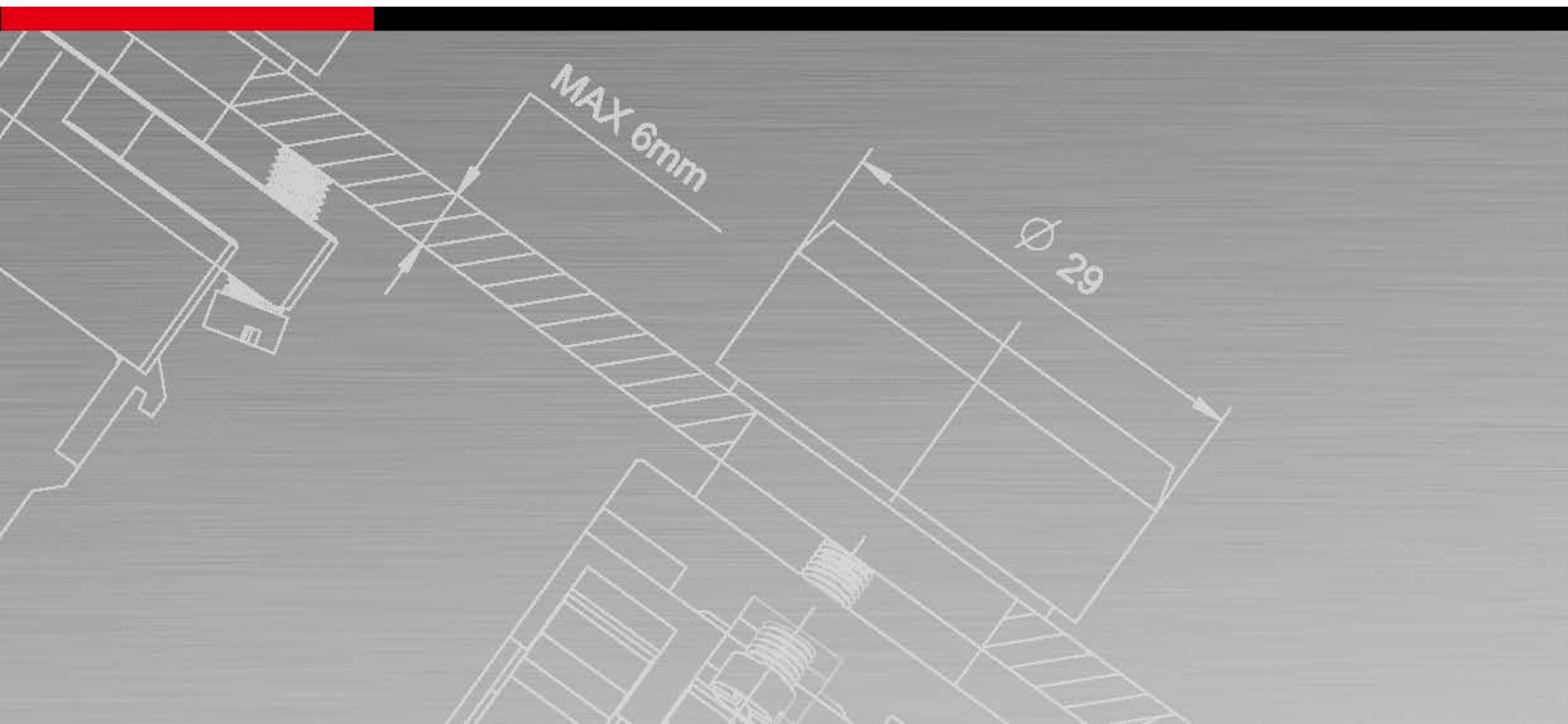


PB1 Pushbutton

PB1S metal pushbutton

PB1L metalized pushbutton

PB1J compact pushbutton



APT, established in 1993, has been specialized in the manufacturing of low voltage products such as pushbuttons and indicator lights and is one of the leading low voltage control apparatus manufacturers in China. Through years of promotion and application, APT Series products have been widely serving dozens of industrial fields in China, including power, machinery, steel, metallurgy, petrochemical, communication, water treatment, food, packaging, textile, harbor and construction etc. They have been successively chosen and used by the national key projects such as Qinshan Nuclear Power Plant, the Three Gorges Project, the Qinghai-Tibet Railway locomotives, Shenzhou V Spacecraft, Shanghai Pudong International Airport, National Stadium ("Bird's Nest")

In August, 2008, according to the asset purchase agreement between Shanghai APT Co., Ltd. (hereinafter referred to as "APT") and Siemens Electrical Apparatus Ltd. Suzhou (hereinafter referred to as "Siemens"), both parties have completed the business transaction. APT brand and related products will be under the operation of "Siemens" Group. As a new member of Siemens Group, APT will succeed and promote the business operation philosophy of the former "APT", i.e. customer orientation. With the quality management and R&D resources of Siemens, APT will focus on the manufacture of pushbuttons, indicator light components and other important low voltage products such as the signal lighting posts, cam switches, relays, current transformers and limit switches etc. Furthermore, Siemens will develop its international business operation experience to strengthen the management and business development of APT and better serve Chinese and global market demands through its advanced technology.

We will do better!

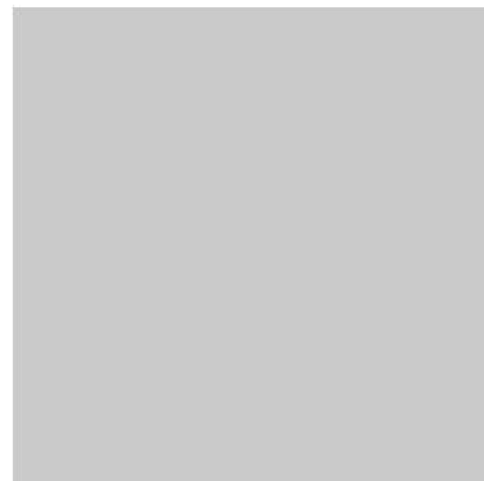


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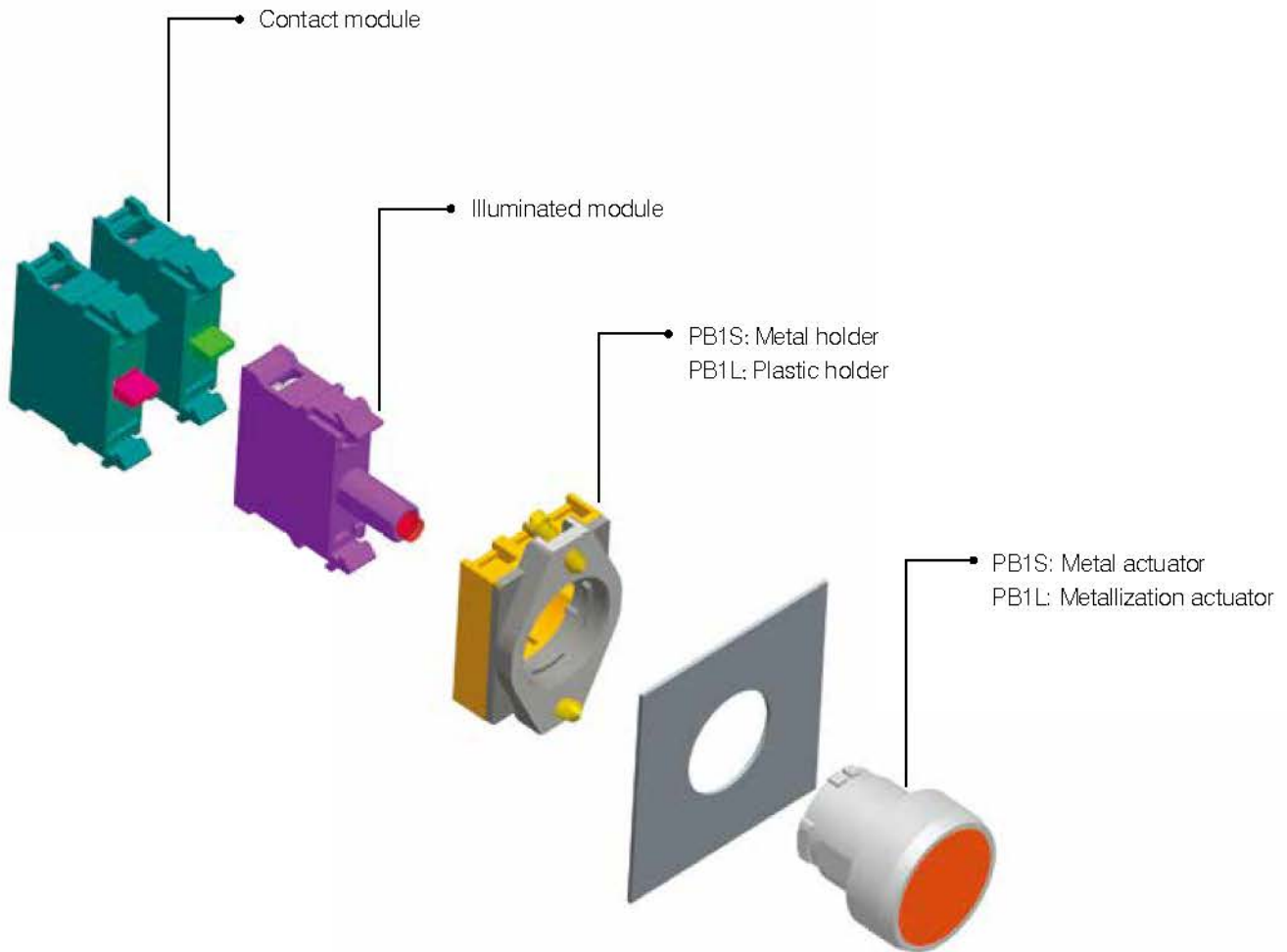
CE RoHS



PB1 Introduction

PB1 introduction

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







Technical Data

Technical data

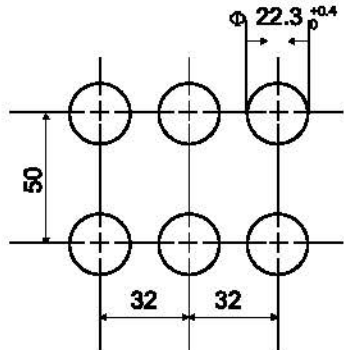
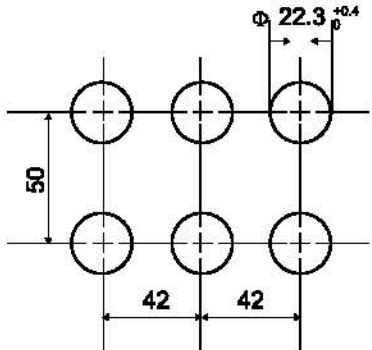
Standards:	IEC60947 Part1, IEC60947 Part 5-1, IEC60947 Part 5-5 GB14048.5, GB14048.1 GB14048.14 ISO13850							
Rated Insulation Voltage U_i:	AC 600V, 50Hz illumination module: AC440V, 50Hz; DC250V							
Rated Impulse Withstand Voltage U_{imp}:	AC 1890V 50Hz.1min							
Conventional Thermal Current 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

Installation

<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


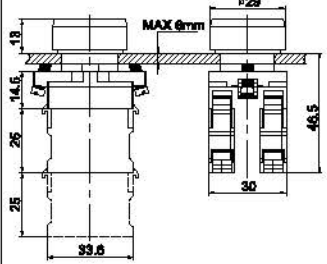

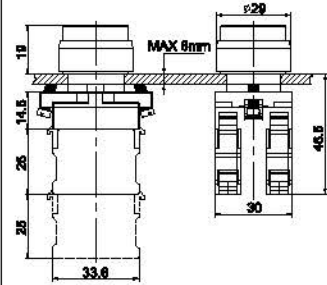

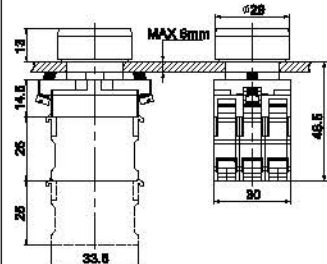

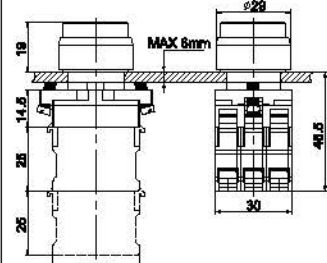
Pushbutton	E-stop pushbutton, Mushroom pushbutton, Select switch with long-handle
	

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.

PB1S



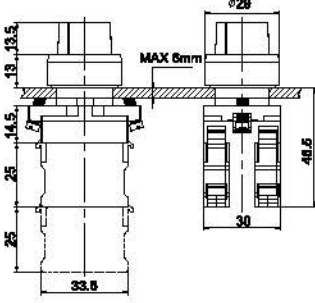

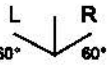
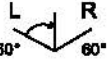
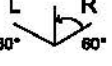



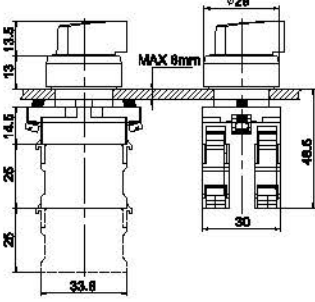

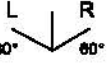
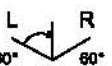
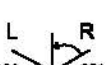

Pushbutton/Raised pushbutton/Illuminated pushbutton/Raised illuminated pushbutton

Name	Type	Status	Model	Color	Rated voltage of illumination module	Dimensions
Pushbutton		Momentary Maintained	PB1S-■/▲ PB1S-■T/▲	red-r green-g yellow-y blue-b white-w black-k		
Raised pushbutton		Momentary Maintained	PB1S-■/▲-H PB1S-■T/▲-H	red-r green-g yellow-y blue-b white-w black-k		
Illuminated Pushbutton		Momentary Maintained	PB1S-■D/▲★ PB1S-■TD/▲★	red-r green-g yellow-y blue-b white-w	21-AC/DC 6V 22-AC/DC 12V 23-AC/DC 24V 25-AC/DC48V 26-AC/DC110V 28-DC220V 31-AC220V 32-AC380V	
Raised illuminated pushbutton		Momentary Maintained	PB1S-■D/▲★-H PB1S-■TD/▲★-H	red-r green-g yellow-y blue-b white-w	21-AC/DC 6V 22-AC/DC 12V 23-AC/DC 24V 25-AC/DC48V 26-AC/DC110V 28-DC220V 31-AC220V 32-AC380V	

Notes:

- : The type of contact module.
- ▲ : The color of handle.
- ★ : Rated voltage of illumination module.

Select switch


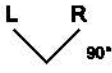
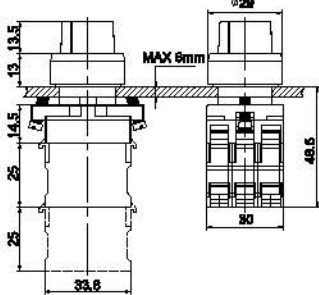
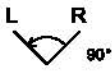
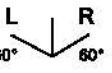
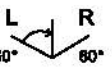
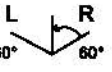



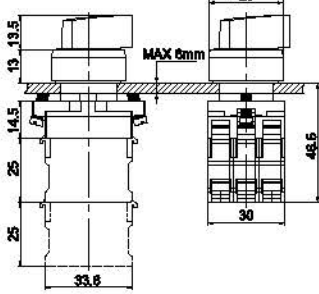

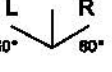
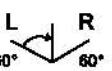
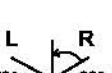
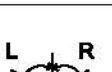
Name	Type	Status	Model	Color	Dimensions
Select switch with short handle		2 position	 PB1S-■X/▲	red-r green-g yellow-y blue-b white-w black-k	
			 PB1S-■X/▲fu		
		3 position	 PB1S-■XS6/▲		
			 PB1S-■XS6/▲f		
			 PB1S-■XS6/▲fu		
			 PB1S-■XS6/▲ffu		
Select switch with long handle		2 position	 PB1S-■CX/▲	red-r green-g yellow-y blue-b white-w black-k	
			 PB1S-■CX/▲fu		
		3 position	 PB1S-■CXS6/▲		
			 PB1S-■CXS6/▲fu		
			 PB1S-■CXS6/▲ffu		
			 PB1S-■CXS6/▲ffu		

Notes:

- : The type of contact module.
- ▲ : The color of handle.

PB1S


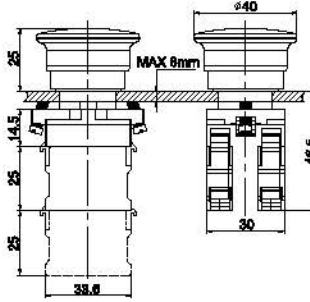

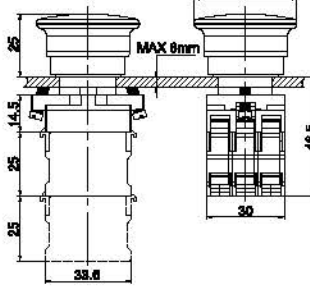

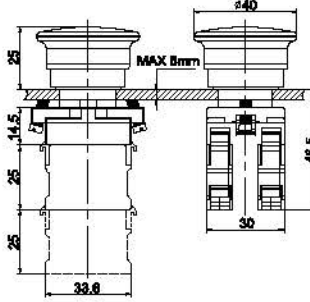
Illuminated select switch

Name	Type	Status	Model	Color/ Rated voltage of illumination module	Dimensions	
Illuminated select switch with short handle		2 position	 PB1S-■XD/▲★	red-r green-g yellow-y blue-b white-w		
			 PB1S-■XD/▲★fu			
		3 position	 PB1S-■XS6D/▲★			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
			 PB1S-■XS6D/▲★f			
			 PB1S-■XS6D/▲★fu			
			 PB1S-■XS6D/▲★ffu			
Illuminated select switch with short handle		2 position	 PB1S-■CXD/▲★	red-r green-g yellow-y blue-b white-w		
			 PB1S-■CXD/▲★fu			
		3 position	 PB1S-■CXS6D/▲★			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
			 PB1S-■CXS6D/▲★f			
			 PB1S-■CXS8D/▲★fu			
			 PB1S-■CXS8D/▲★ffu			

Notes:

- : The type of contact module.
- ▲ : The color of handle.
- ★ : Rated voltage of illumination module.

Mushroom pushbutton


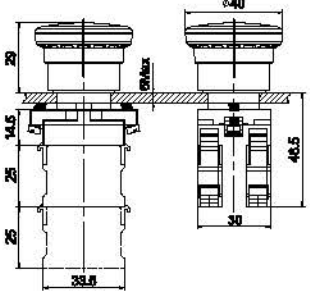

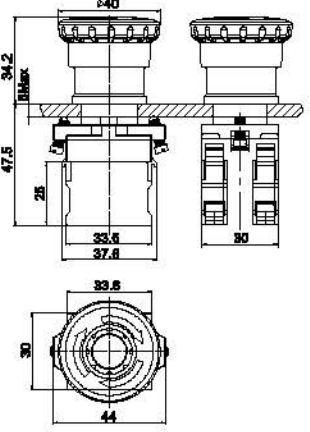

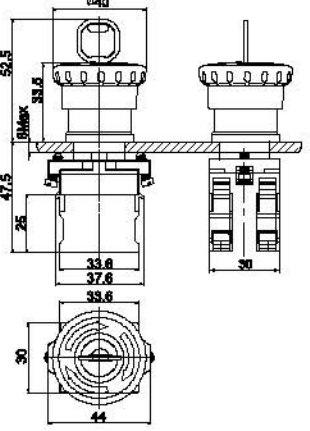
Name	Type	Status	Model	Color	Rated voltage of illumination module	Dimensions
Mushroom pushbutton		Momentary	PB1S-■M/▲	red-r green-g yellow-y blue-b white-w black-k		
Illuminated mushroom pushbutton		Momentary	PB1S-■MD/▲★	red-r green-g yellow-y blue-b white-w	21-AC/DC 6V 22-AC/DC 12V 23-AC/DC 24V 25-AC/DC 48V 26-AC/DC 110V 28-DC 220V 31-AC 220V 32-AC 380V	
Pull to release mushroom pushbutton	 The diameter of actuator: Φ 40mm and Φ 60mm	Latching	PB1S-■ML/▲	red-r green-g yellow-y blue-b white-w black-k		

Notes:

- : The type of contact module.
- ▲ : The color of handle.
- ★ : Rated voltage of illumination module.
- Diameter of mushroom actuator: No mark: Ø40mm, 30: Ø30mm, 60: Ø60mm.

PB1S


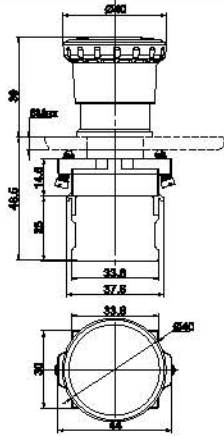

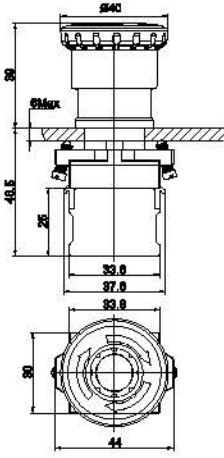

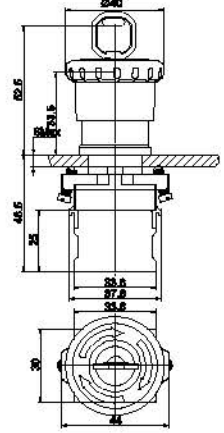
Emergency-stop pushbutton

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:

- : The type of contact module.
- ▲ : The color of handle.
- 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 pushbutton with trigger action



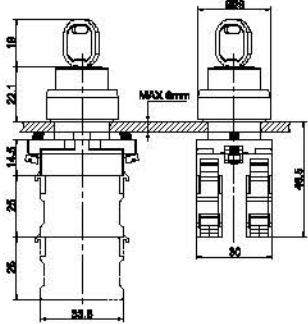

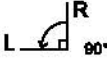
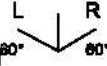
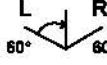
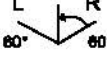
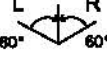
Name	Type	Status	Model	Color	Dimensions
Pull to release E-stop pushbutton with trigger action		Latching	PB1S-■ZLA/▲	red-r	
Twist to release E-stop pushbutton with trigger action		Latching	PB1S-■ZRA/▲	red-r	
Key to release E-stop pushbutton with trigger action		Latching	PB1S-■ZYA/▲	red-r	

Notes:

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

PB1S


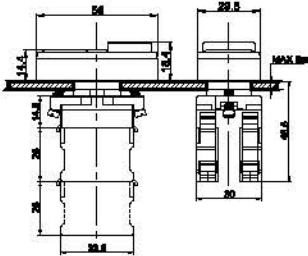

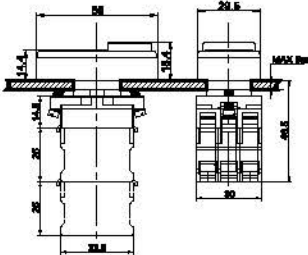
Key-operated switch

Name	Type	Status	Model		Key removal positions	Dimensions
Key-operated switch		2 position		PB1S-■Y/▲	L: removal from left C: removal from center R: removal from right E: removal from any position	
				PB1S-■Y/▲fu		
				PB1S-■Y9/▲fu		
		3 position		PB1S-■YS6/▲		
				PB1S-■YS6/▲f		
				PB1S-■YS6/▲fu		
				PB1S-■YS6/▲ffu		

Notes:

- : The type of contact module.
- ▲ : Key removal positions.

Twin pushbutton


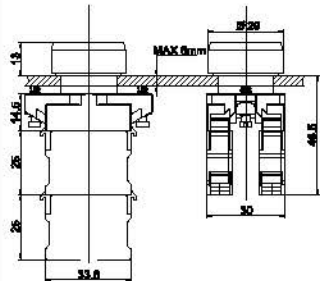

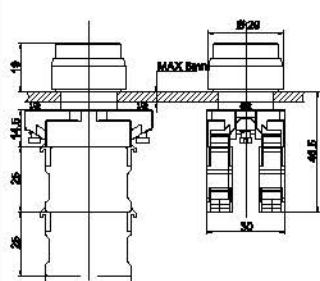

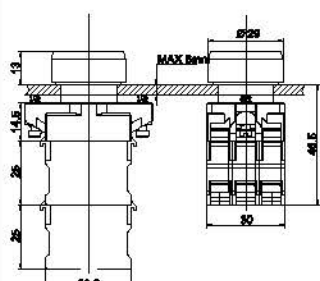

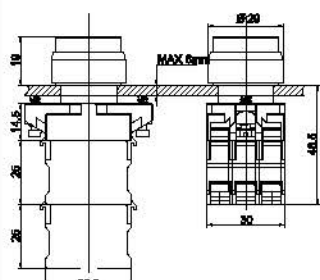
Name	Type	Model	Color	Rated voltage of illumination module	Dimensions
Twin pushbutton		PB1S-■R/▲▲	r-red g-green		
Illuminated twin pushbutton		PB1S-■RD/▲▲▲★	r-red g-green	21-AC/DC 6V 22-AC/DC 12V 23-AC/DC 24V 25-AC/DC 48V 26-AC/DC 110V 28-DC 220V 31-AC 220V 32-AC 380V	

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.

PB1L



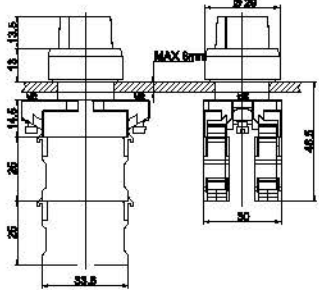
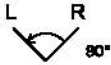
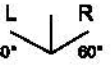
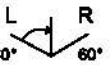
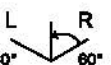



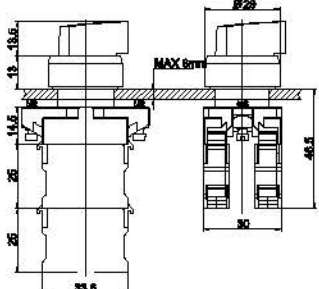

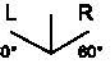
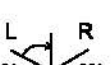
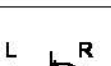
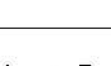
Pushbutton/Raised pushbutton/Illuminated pushbutton/Raised illuminated pushbutton

Name	Type	Status	Model	Color	Rated voltage of illumination module	Dimensions
Pushbutton		Momentary	PB1L-■/▲	red-r green-g yellow-y blue-b		
		Maintained	PB1L-■T/▲	white-w black-k		
Raised pushbutton		Momentary	PB1L-■/▲-H	red-r green-g yellow-y blue-b		
		Maintained	PB1L-■T/▲-H	white-w black-k		
Illuminated pushbutton		Momentary	PB1L-■D/▲★	red-r green-g yellow-y blue-b	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	
		Maintained	PB1L-■TD/▲★	white-w		
Raised illuminated pushbutton		Momentary	PB1L-■D/▲★-H	red-r green-g yellow-y blue-b	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	
		Maintained	PB1L-■TD/▲★-H	white-w		

Notes:

1. ■ : The type of contact module.
2. ▲ : The color of handle.
3. ★ : Rated voltage of illumination module.

Select switch


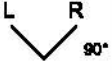
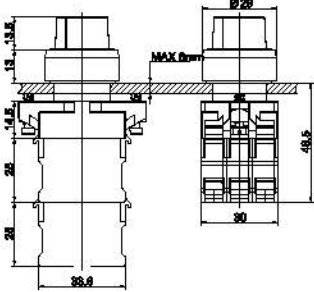
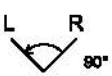
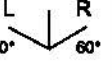
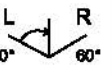
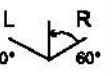


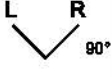
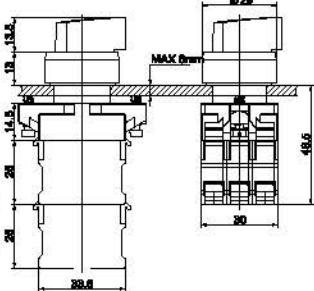
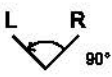
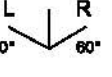
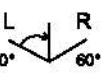
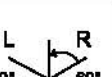
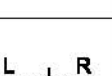
Name	Type	Status	Model	Color	Dimensions
Select switch with short handle		2 position	 PB1L-■X/▲	red-r green-g yellow-y blue-b white-w black-k	
			 PB1L-■X/▲fu		
		3 position	 PB1L-■XS6/▲		
			 PB1L-■XS6/▲f		
			 PB1L-■XS6/▲fu		
			 PB1L-■XS6/▲ffu		
Select switch with long handle		2 position	 PB1L-■CX/▲	red-r green-g yellow-y blue-b white-w black-k	
			 PB1L-■CX/▲fu		
		3 position	 PB1L-■CXS6/▲		
			 PB1L-■CXS6/▲f		
			 PB1L-■CXS6/▲fu		
			 PB1L-■CXS6/▲ffu		

Notes:

- : The type of contact module.
- ▲ : The color of handle.

PB1L


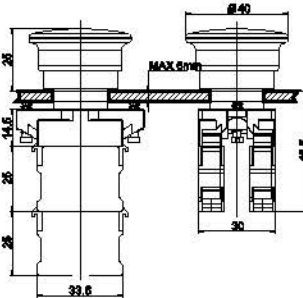

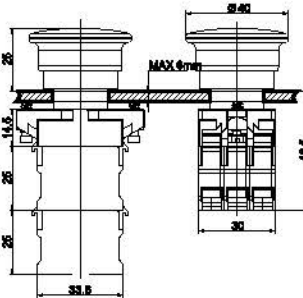

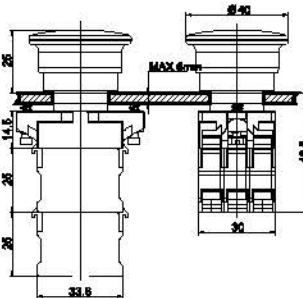
Illuminated select switch

Name	Type	Status	Model	Rated voltage of illumination module	Dimensions	
Illuminated select switch with short handle		2 position	 PB1L-■XD/▲★	red-r green-g yellow-y blue-b white-w		
			 PB1L-■XD/▲★fu			
		3 position	 PB1L-■XS6D/▲★			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
			 PB1L-■XS6D/▲★f			
			 PB1L-■XS6D/▲★fu			
			 PB1L-■XS6D/▲★ffu			
Illuminated select switch with long handle		2 position	 PB1L-■CXD/▲★	red-r green-g yellow-y blue-b white-w		
			 PB1L-■CXD/▲★fu			
		3 position	 PB1L-■CXS6D/▲★			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
			 PB1L-■CXS6D/▲★f			
			 PB1L-■CX36D/▲★fu			
			 PB1L-■CXS6D/▲★ffu			

Notes:

- : The type of contact module.
- ▲ : The color of handle.
- ★ : Rated voltage of illumination module.


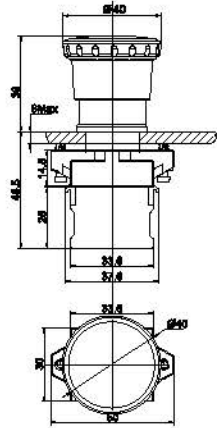

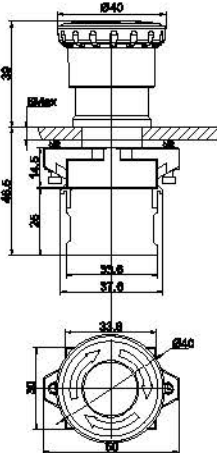

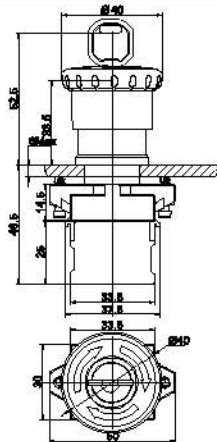
Mushroom pushbutton

Name	Type	Status	Model	Color	Rated voltage of illumination module	Dimensions
Mushroom pushbutton		Momentary	PB1L-■M/▲	red-r green-g yellow-y blue-b white-w black-k		
Illuminated Mushroom pushbutton		Momentary	PB1L-■MD/▲★	red-r green-g yellow-y blue-b white-w	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	
Pull to release mushroom pushbutton	 The diameter of actuator: Φ40mm and Φ60mm	Latching	PB1L-■ML/▲	red-r green-g yellow-y blue-b white-w black-k		

Notes:

- : The type of contact module.
- ▲ : The color of handle.
- ★ : Rated voltage of illumination module.
- Diameter of mushroom actuator: No mark: Ø40mm, 30: Ø30mm, 60: Ø60mm.

Emergency-stop pushbutton with trigger action



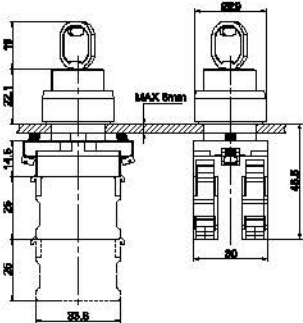

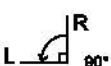
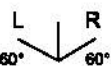
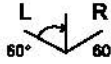
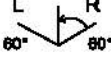
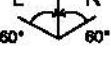
Name	Type	Status	Model	Color	Dimensions
Pull to release E-stop pushbutton with trigger action		Latching	PB1L-■ZLA/▲	red-r	
Twist to release E-stop pushbutton with trigger action		Latching	PB1L-■ZRA/▲	red-r	
Key to release E-stop pushbutton with trigger action		Latching	PB1L-■ZYA/▲	red-r	

Notes:

- : The type of contact module.
- ▲ : The color of handle.
- 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.

PB1L


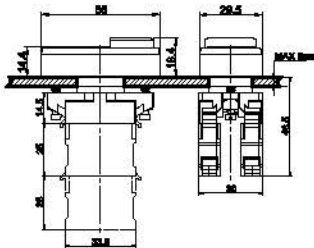

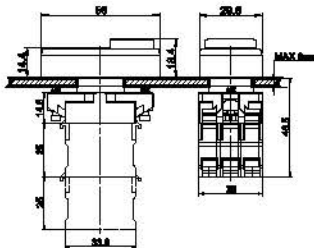
Key-operated switch

Name	Type	Status	Model	Key removal positions	Dimensions
Key-operated switch		2 position	 PB1L-■Y/▲	L: removal from left C: removal from center R: removal from right E: removal from any position	
			 PB1L-■Y/▲fu		
			 PB1L-■Y9/▲fu		
		3 position	 PB1L-■YS6/▲		
			 PB1L-■YS6/▲f		
			 PB1L-■YS6/▲fu		
			 PB1L-■YS6/▲ffu		

Notes:

- : The type of contact module.
- ▲ : Key removal positions.

Twin pushbutton

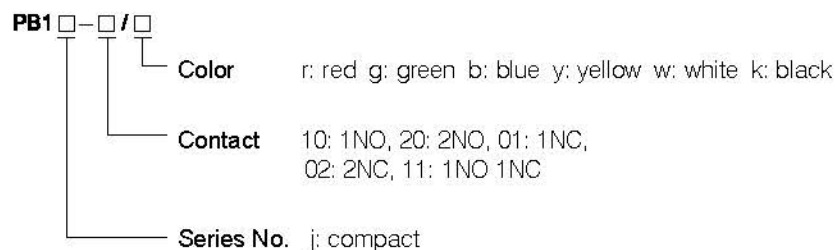
Name	Type	Model	Color	Rated voltage of illumination module	Dimensions
Twin pushbutton		PB1L-■R/▲▲	red-r green-g		
Illuminated twin pushbutton		PB1L-■RD/▲▲▲★	red-r green-g	21-AC/DC 6V 22-AC/DC 12V 23-AC/DC 24V 25-AC/DC 48V 26-AC/DC 110V 28-DC 220V 31-AC 220V 32-AC 380V	

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.

PB1J


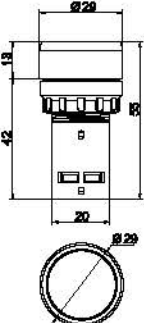
Model



Technical Data

Standards:	IEC60947 Part1, IEC60947 Part 5-1, GB14048.5, GB14048.1
Rated Insulation Voltage U_i :	AC 300V, 50Hz
Rated Impulse Withstand Voltage U_{imp} :	AC 1500V 50Hz.1min
Conventional Thermal Current I_{th} :	5A
Rated load:	AC-15 230V 2A DC-13 24V 1A
Pollution class:	III
Mechanical endurance:	3×10^5 times
Electrical endurance:	1×10^5 times
Operation temperature:	Operation -25°C -70°C Storage -40°C -80°C
Protection class:	IP65
Shock amplitude:	$\leq 15g$ (IEC60068 2-27)
Impact amplitude:	$\leq 5g$ (IEC60068 2-6)
Contact resistance:	$< 50m\Omega$
Contact material:	AgNi10/Cu

Pushbutton

Name	Type	Status	Model	Color	Dimensions
Pushbutton		Momentary	PB1J-■/▲	red-r green-g yellow-y blue-b white-w	

Notes:

1. ■ : The type of contact module.
2. ▲ : The color of handle.

PB1J

Model

PL1-D □ / □ □ □

21: AC/DC 6V 22: AC/DC 12V 23: AC/DC 24V
 25: AC/DC48V 26: AC/DC 110V 28: DC 220V
 31: AC 220V 32: AC 380V


Color r: red g: green b: blue y: yellow w: white

Printing No mark: without printing Sxy: please referring to page 32、 33.

Technical Data

Standards:	IEC60947 Part1, IEC60947 Part 5-1, GB14048.5, GB14048.1
Rated Insulation Voltage U_i :	AC440V DC250V
Rated Impulse Withstand Voltage U_{imp} :	6KV
Rated Current of Indicator Light:	Voltage code 21 22 23 25 26 28 31 32
	Voltage (V) AC/DC 6V AC/DC 12V AC/DC 24V AC/DC48V AC/DC110V DC220V AC220V AC380V
	Current (mA) 18 18 18 18 16 12 16 17
Electrical endurance:	≥ 30000 hours
Insulation Resistance:	$\geq 2M\Omega$
Operation temperature:	Operation $-25^{\circ}C$ $-70^{\circ}C$ Storage $-40^{\circ}C$ $-80^{\circ}C$
Operation Voltage Fluctuation:	$\leq 110V: \pm 10\%$ $> 110V: \pm 20\%$
Luminance:	100cd/m ²
CTI:	≥ 100
Operation frequency:	AC50~60Hz
Protection Class:	IP65
Vibration amplitude:	Max. acceleration: 0.7g Frequency: 2~80Hz
Relative Air Humidity:	$\leq 98\%$
Pollution Class:	III
Tightening torque:	0.8Nm
Conductor cross-sections:	Max. 1.5mm ² Min.1.0mm ² 2x1 to 1.5 mm ²

PL1 Indicator Light

Name	Type	Model	Color	Rated voltage	Dimensions
Indicator light		PL1-D■/▲★	red-r green-g yellow-y blue-b white-w	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:










- : Printing content (No mark: without printing Sxy: please referring to page 32、 33)
- ▲ : The color of indicator light.
- ★ : The rated voltage of indicator light.

Accessories

Accessories



Name	Type	Model		Description	Function
Momentary pushbutton		PB1S-AA/▲ PB1L-AA/▲		▲ : color r-red g-green b-blue y-yellow w-white k-black	Actuator
Maintained pushbutton		PB1S-AAT/▲ PB1L-AAT/▲			
Illuminated momentary pushbutton		PB1S-AAD/▲ PB1L-AAD/▲		▲ : color r-red g-green b-blue y-yellow w-white	
Illuminated maintained pushbutton		PB1S-AATD/▲ PB1L-AATD/▲			
Raised momentary pushbutton		PB1S-AA/▲-H PB1L-AA/▲-H		▲ : color r-red g-green b-blue y-yellow w-white k-black	
Raised maintained pushbutton		PB1S-AAT/▲-H PB1L-AAT/▲-H			
Raised illuminate momentary pushbutton		PB1S-AAD/▲-H PB1L-AAD/▲-H		▲ : color r-red g-green b-blue y-yellow w-white	
Raised illuminate maintained pushbutton		PB1S-AATD/▲-H PB1L-AATD/▲-H			
Select switch with short handle		2 position	PB1S-AAX/▲ PB1L-AAX/▲	▲ : color r-red g-green b-blue y-yellow w-white k-black Reset function code after the color.	
		3 position	PB1S-AAXS6/▲ PB1L-AAXS6/▲		
Select switch with long handle		2 position	PB1S-AACX/▲ PB1L-AACX/▲	▲ : color r-red g-green b-blue y-yellow w-white k-black Reset function code after the color.	
		3 position	PB1S-AACXS6/▲ PB1L-AACXS6/▲		
Illuminate select switch with short handle		2 position	PB1S-AAXD/▲ PB1L-AAXD/▲	▲ : color r-red g-green b-blue y-yellow w-white Reset function code after the color.	
		3 position	PB1S-AAXS6D/▲ PB1L-AAXS6D/▲		
Illuminate select switch with long handle		2 position	PB1S-AACXD/▲ PB1L-AACXD/▲	▲ : Filled with color r-red g-green b-blue y-yellow w-white Reset function code after the color.	
		3 position	PB1S-AACXS6D/▲ PB1L-AACXS6D/▲		
Key-operated switch		2 position	PB1S-AYY/ PB1L-AYY/ PB1S-AYY9/ PB1L-AYY9/	The key removal position and reset function code after "/". 9:  6: 	
		3 position	PB1S-AYYS6/ PB1L-AYYS6/		

Accessories

Name	Type	Model		Description	Function	
Mushroom pushbutton		30mm	Momentary	PB1S-AAM/▲-30 PB1L-AAM/▲-30	▲: color r-red g-green b-blue y-yellow w-white k-black	Actuator
		40mm	Momentary	PB1S-AAM/▲ PB1L-AAM/▲		
		60mm	Momentary	PB1S-AAM/▲-60 PB1L-AAM/▲-60		
Illuminated mushroom pushbutton (Momentary)		30mm		PB1S-AAMD/▲-30 PB1L-AAMD/▲-30	▲: color r-red g-green b-blue y-yellow w-white	
		40mm		PB1S-AAMD/▲ PB1L-AAMD/▲		
		60mm		PB1S-AAMD/▲-60 PB1L-AAMD/▲-60		
Pull to release mushroom pushbutton (Latching)		40mm		PB1S-AAML/▲ PB1L-AAML/▲	▲: color r-red g-green b-blue y-yellow w-white k-black	
		60mm		PB1S-AAML/▲-60 PB1L-AAML/▲-60		
Pull to release E-stop pushbutton		40mm		PB1S-AAZL/r PB1L-AAZL/r	red	
Pull to release E-stop pushbutton with trigger action		40mm		PB1S-AAZLA/r PB1L-AAZLA/r	red	
Twist to release E-stop pushbutton		30mm		PB1S-AAZR/r-30 PB1L-AAZR/r-30	red	
		40mm		PB1S-AAZR/r PB1L-AAZR/r		
Twist to release E-stop pushbutton with trigger action		40mm		PB1S-AAZRA/r PB1L-AAZRA/r	red	
Key to release E-stop pushbutton		30mm		PB1S-AAZY/r-30 PB1L-AAZY/r-30	red	
		40mm		PB1S-AAZY/r PB1L-AAZY/r		
Key to release E-stop pushbutton with trigger action		40mm		PB1S-AAZYA/r PB1L-AAZYA/r	red	

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/▲▲		

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		

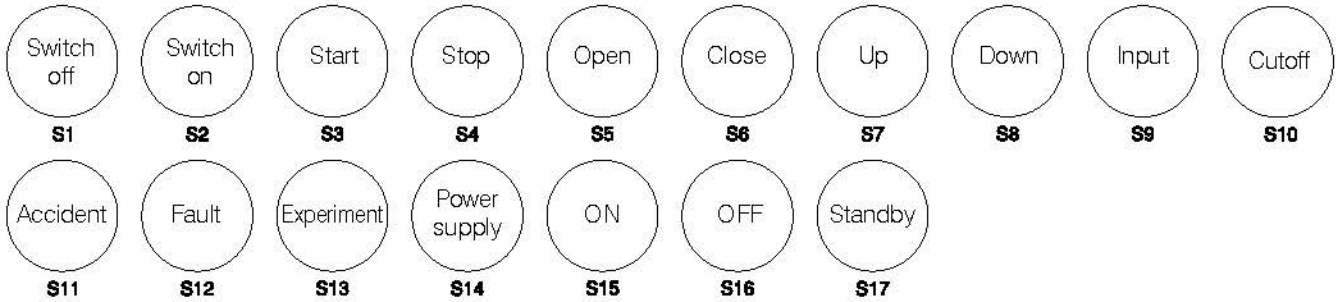
Accessories

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	

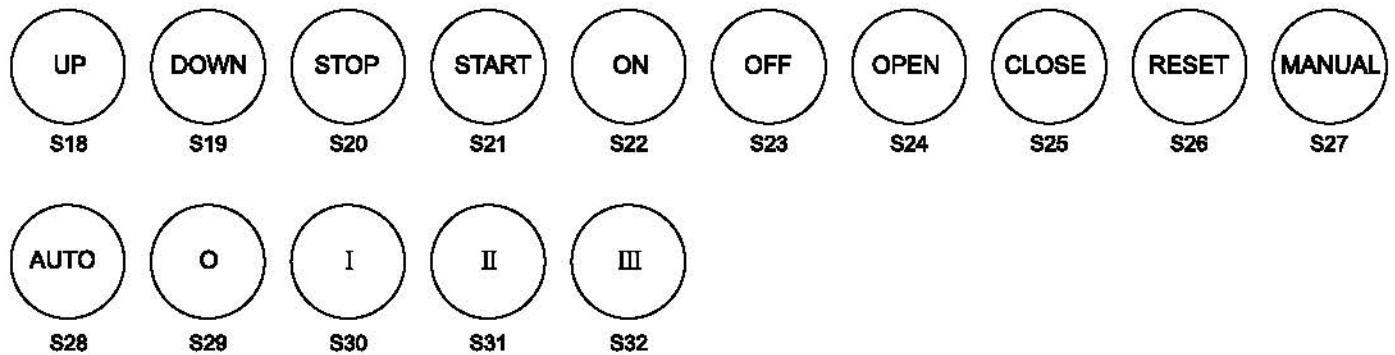
Printing symbol

Printing symbol

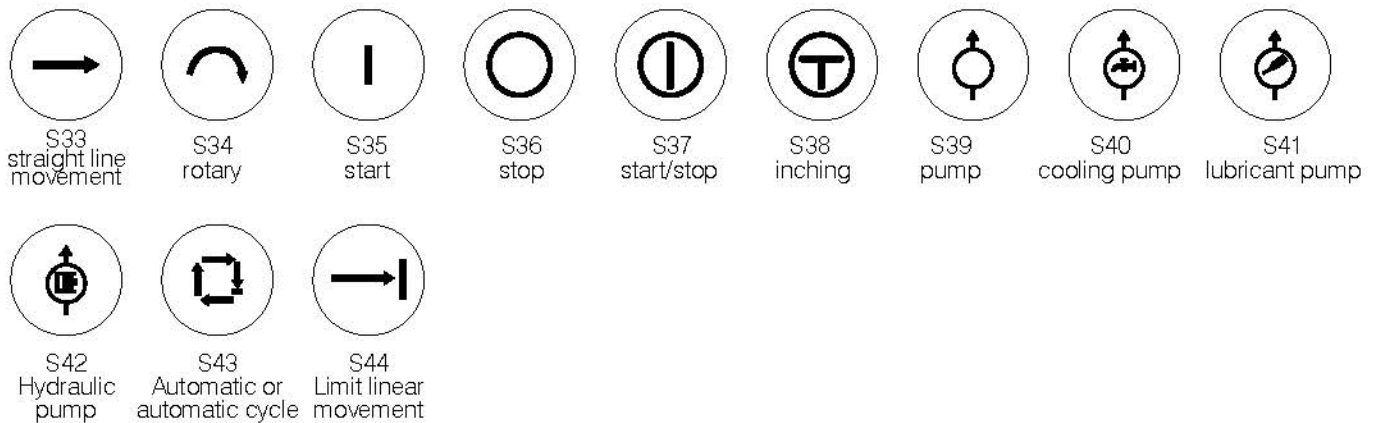
Chinese symbol



Standard symbol



ISO symbols



Printing symbol

Stop Start SX1	Switch off Switch on SX2	Manual Automatic SX3	Close Open SX4	Close Open SX5	Inspection Reset SX6
I O SX7	O I SX8	I O II SX9	II O I SX10	1 0 2 SX11	2 0 1 SX12
OFF-ON SX13	STOP-START SX14	HAND-AUTO SX15	REV-FOR SX18		



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