



$\phi$  22mm

**PB3 Series Quick-mount Pushbuttons**

丰富的在线选型工具, 助您轻松选型



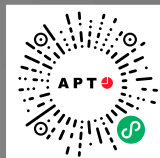
01" Clear navigation menus  
02" Tree logic selection

03" Preview of product components

04" Synchronous link to product parameters

05" Product manual and dimensional drawing download

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2022/03-1

# EASY TO USE OPTIMAL QUALITY & APPEARANCE PRODUCT FEATURE



○ *Simple  
and  
beautiful*

○ *One-hand  
mounting*

○ *Greater,  
faster,  
better  
and cost  
saving*

○ *Widely  
applicable*

- Eco-friendly material*
- Eco-friendly material*
- Silver and black*
- Complete certification*





Siemen Electrical Apparatus Ltd. Suzhou, Shanghai Branch(APT Operating Company)



Siemen Electrical Apparatus Ltd. Suzhou(Parent Company)



Siemen Electrical Apparatus Ltd. Suzhou, Tiantai Branch (Manufacturing Plant)

苏州 • 上海

天台 •

## About us

### APT

Siemen Electrical Apparatus Ltd. Suzhou, Shanghai Branch.

### Brand history

Founded in 1993, acquired by Siemens in 2008 when becoming a wholly owned subsidiary of Siemens.

### Main products

Pushbuttons, indicator lights, cam switches, relays, current transformers, tower lamps and other low-voltage products.

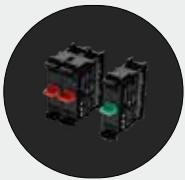


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# INDUSTRIAL APPLICATIONS



## Modular contact structure

Modular structure greatly saves the internal installation space, adaptive to installation of various shaped structures.



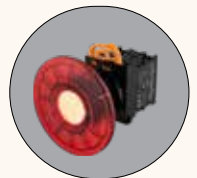
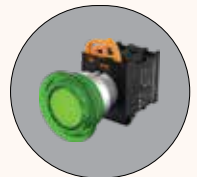
▲ Typical application: Logistic sorting equipment



## Quick mounting

Self-reset toggle design  
Installation is now fast

◀ Typical application:  
System integration





Special symbol inscription available

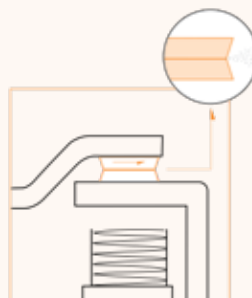
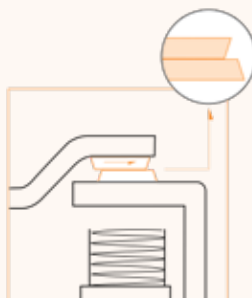
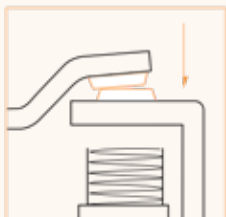
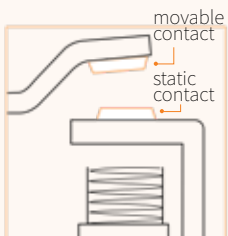
◀ Typical application: Elevator lifting equipment

Typical application: Engineering equipment ▼

Static

Action

Fit



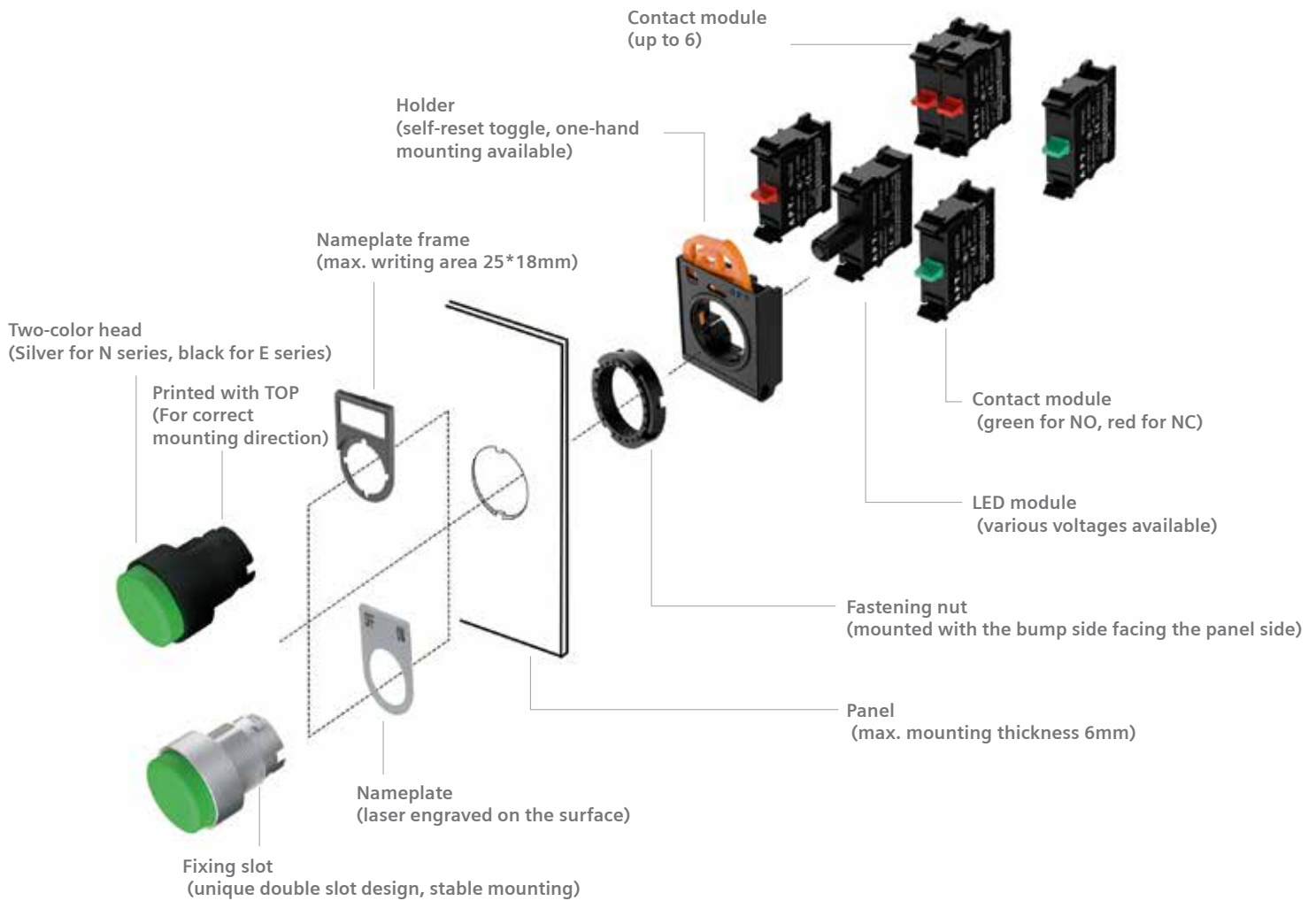
**Self-cleaning function**

With the self-cleaning design, the movable contact slides after contacting with the static contact so that dust will not adhere to the contacts, easily coping with dusty environment.

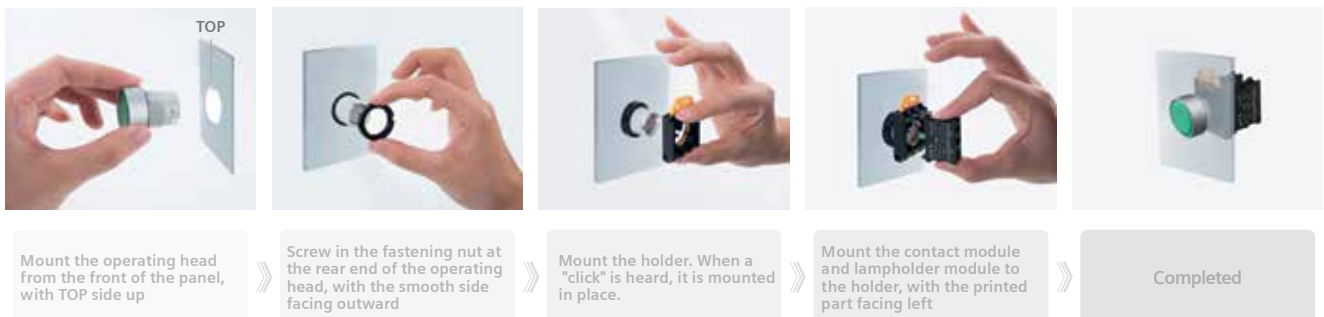


# PRODUCT OVERVIEW

## Assembly of product components



## Only 4 steps to install quickly





### Compliance

GB/T 14048.1 GB/T 14048.5 IEC60947-5-1

### Product certification

CE / CCC / CQC

### Performance specification

<b>Pollution grade</b>	Level 3
<b>Mechanical endurance</b>	General pushbutton, mushroom pushbutton, pushbutton with light, 3 million times E-stop pushbutton, key switch 50,000 times
<b>Action frequency</b>	1,200 times / hour
<b>Electrical endurance</b>	500,000 times Lowest load: DC24V 5mA
<b>Ambient temperature</b>	Operating temperature -25°C to 70°C Storage & transport temperature -40°C to 80°C
<b>Protection class</b>	IP65 Switching component and lighting component IP20
<b>Anti-impact class</b>	Duration 11ms Maximum acceleration 15g Compliant with IEC60068 2-27
<b>Anti-vibration class</b>	Maximum acceleration 5g Frequency range 10- 500Hz Compliant with IEC60068 2-6

### Contact capacity

<b>Rated insulation voltage</b>	600V 50Hz						
<b>Power frequency withstand voltage</b>	AC 1890V 50Hz · 1min						
<b>Conventional thermal current</b>	10A						
<b>Use category</b>	<b>Rated operating voltage Ue</b>	<b>24V</b>	<b>48V</b>	<b>110V</b>	<b>220V</b>	<b>380V</b>	<b>440V</b>
AC-12 (AC resistive load)	Rated operating current Ie	10 A	-	10 A	10 A	10 A	10 A
AC-15 (AC inductive load)		6 A	-	6 A	6 A	4 A	4 A
DC-12 (DC resistive load)		10 A	8 A	3.5A	1 A	-	-
DC-13 (DC inductive load)		6 A	4 A	1.2A	0.4A	-	-

### Ratings of light-emitting components

<b>Voltage code</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>28</b>	<b>31</b>	<b>32</b>
<b>Voltage (V)</b>	AC/DC 6V	AC/DC 12V	AC/DC 24V	AC/DC 36V	AC/DC 48V	AC/DC 110V	AC/DC 220V	AC 220V	AC 380V
<b>Current (mA)</b>	≤ 30mA	≤ 30mA	≤ 20mA	≤ 20mA	≤ 20mA	≤ 20mA	≤ 20mA	≤ 20mA	≤ 15mA

# E-stop pushbutton

## E-stop pushbutton

		Head	Holder	Contact module/LED module
Without light	N series Rotary/pull release Trigger type E-stop pushbutton			
	E series Rotary release E-stop pushbutton			
	E series Pull release E-stop pushbutton			
With lamp Rotary/pull release	N series Rotary/pull release Trigger type E-stop pushbutton			





## Order code description

Series	Product category	Pushbutton type	Operation type	Mushroom diameter	With/without light	Wiring method	Contact type	Mushroom color	With light, voltage
PB3	E	— Z	R	4	0	S	□ □ /     └─┘	r	00
	E: Basic N: Standard type	Z: E-stop pushbutton	R: Rotary release (E series) Rotary/pull trigger (N series) L: Pull release (E series)	4: φ40mm	0: w/o light 1: with light (N series)	S: Screw wiring	NO NC NO NC <small>Note</small>	r: Red	00: w/o light group 21: AC/DC6V 22: AC/DC12V 23: AC/DC24V 24: AC/DC36V 25: AC/DC48V 26: AC/DC110V 28: AC/DC220V 31: AC220V 32: AC380V



**Note** Contact type — ① Numbers indicate the number of contacts ② Total number of PB3E rotary release E-stop contacts is up to 6  
Total number of PB3E pull release E-stop contacts is up to 4 Total number of PB3N rotary/pull trigger E-stop contacts is up to 2

**e.g.** 11:1NO1NC 33:3NO3NC 42:4NO2NC  
1NO1NC 3NO3NC 4NO2NC

## E-stop pushbutton

Appearance	Operation type	With light, voltage	Color	Product order code 
	ZR: Rotary/pull release trigger(N series)	00: w/o light group	●	PB3N-ZR40S □□ /r00
	ZR: Rotary release (E series)	00: w/o light group	●	PB3E-ZR40S □□ /r00
	ZL: Pull release (E series)	00: w/o light group	●	PB3E-ZL40S □□ /r00

## E-stop pushbutton with light

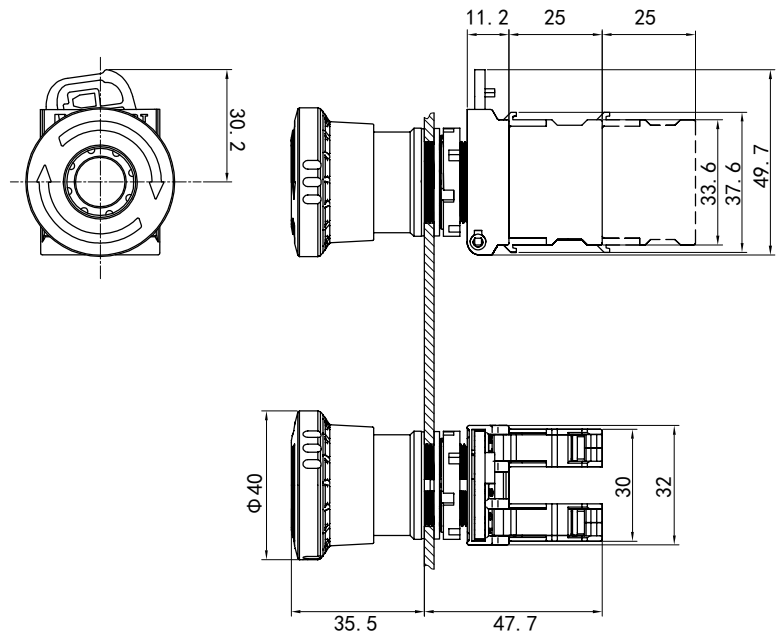
Appearance	Operation type	With light, voltage	Color	Product order code 
	ZR: Rotary/pull release trigger(N series)	28: AC/DC220V	●	PB3N-ZR41S □□ /r28

# E-stop pushbutton Outline Dimension

## E-stop pushbutton

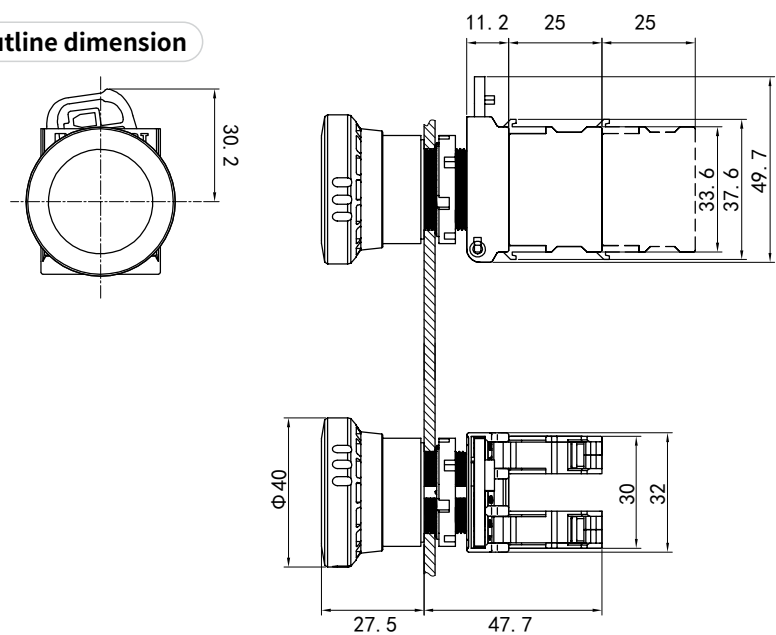
### PB3E rotary release E-stop pushbutton outline dimension

Mounting panel thickness, 1-4.5mm (standard)  
with fixing washer



### PB3E pull release E-stop pushbutton outline dimension

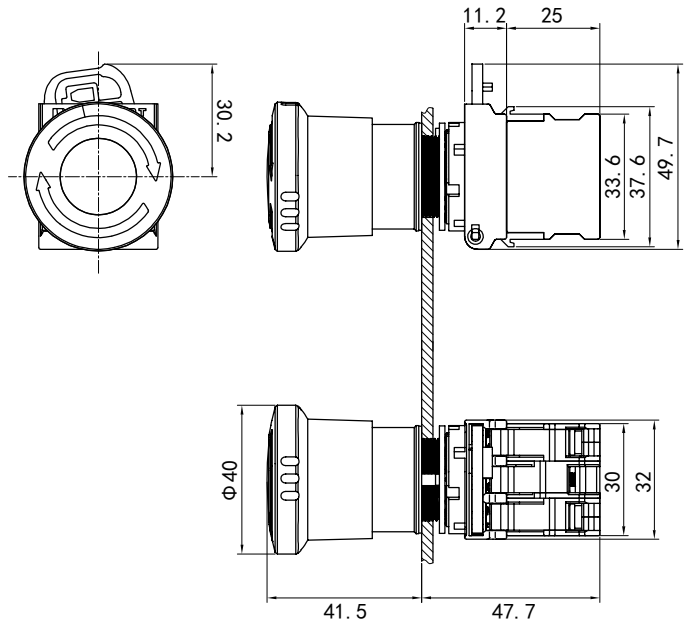
Mounting panel thickness, 1-6mm (default)  
without fixing washer, 1-4.5mm (optional) with  
fixing washer



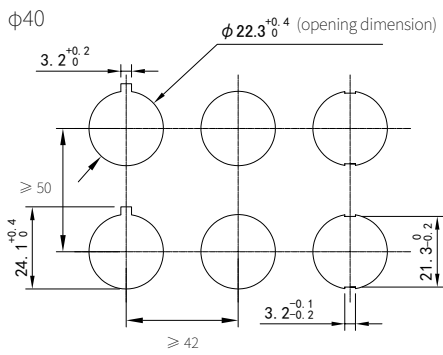
**E-stop pushbutton**

**PB3N rotary/pull release trigger type E-stop pushbutton**

Mounting panel thickness, 1-4.5mm (standard)  
with fixing washer



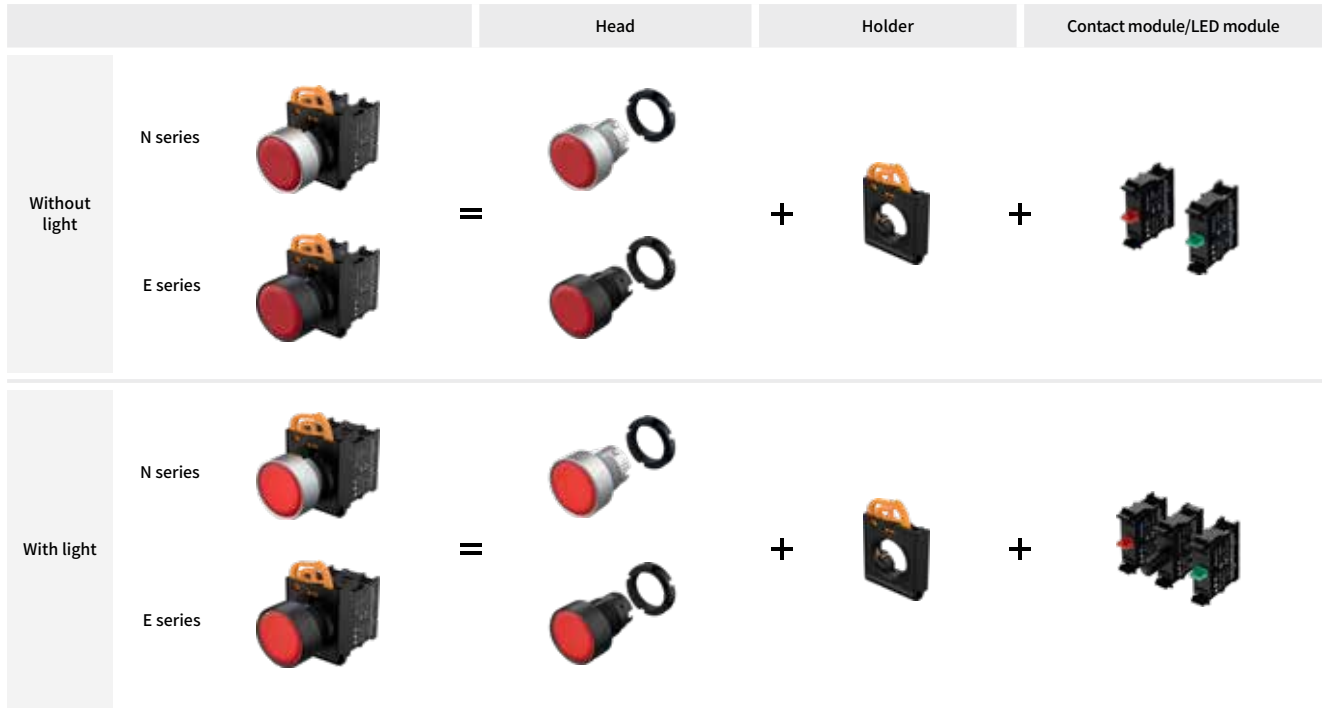
**Minimum mounting distance: unit (mm)**



# Pushbutton

## Flat pushbutton/High-position pushbutton

### Pushbutton



### Order code description

Series	Housing color	Head	Action manner	With/without light	Wiring method	Contact type	Inscription	Button color	With light, voltage
PB3	■	—	F	T	1	S	□ □	S00 / g	23
N: Matte silver	F: Flat pushbutton	M: Momentary	0: Without light	S: Screw wiring	NO	NC	S00: Without inscription	r: Red	00: w/o light group
E: Textured black	H: High-position pushbutton	T: Latching	1: Transparent with light		NO	NC	S99: Special inscription	g: Green	21: AC/DC6V
			2: Textured with light		Note	Note	S** : Standard inscription	y: Yellow	22: AC/DC12V
			Note					b: Blue	23: AC/DC24V
								w: White	24: AC/DC36V
								k: Black	25: AC/DC48V
									26: AC/DC110V
									28: AC/DC220V
									31: AC220V
									32: AC380V

#### Note — Two types of luminous effects available



Textured with light



Transparent with light

Contact type — ① Numbers indicate the number of contacts ② Total number of figures is up to 6














11:1NO1NC 33:3NO3NC 42:4NO2NC  
1 NO 1 NC 3 NO 3 NC 4 NO 2 NC

S\*\* : Selected from the standard inscription library, refer to P31 for specific inscription














S99: indicating special inscription, that is inscription according to the pattern provided by the customer

## Pushbutton

### Flat pushbutton

Appearance	Action manner	With light, voltage	Color	Product order
	M: Momentary type	00: w/o light group		PB3 ■ -FM0S □□ S00/r00
				PB3 ■ -FM0S □□ S00/g00
				PB3 ■ -FM0S □□ S00/y00
				PB3 ■ -FM0S □□ S00/b00
				PB3 ■ -FM0S □□ S00/w00
				PB3 ■ -FM0S □□ S00/k00
	T: Latching	00: w/o light group		PB3 ■ -FT0S □□ S00/r00
				PB3 ■ -FT0S □□ S00/g00
				PB3 ■ -FT0S □□ S00/y00
				PB3 ■ -FT0S □□ S00/b00
				PB3 ■ -FT0S □□ S00/w00
				PB3 ■ -FT0S □□ S00/k00

### High-position button

Appearance	Action manner	With light, voltage	Color	Product order
	M: Momentary type	00: w/o light group		PB3 ■ -HM0S □□ S00/r00
				PB3 ■ -HM0S □□ S00/g00
				PB3 ■ -HM0S □□ S00/y00
				PB3 ■ -HM0S □□ S00/b00
				PB3 ■ -HM0S □□ S00/w00
				PB3 ■ -HM0S □□ S00/k00
	T: Latching	00: w/o light group		PB3 ■ -HT0S □□ S00/r00
				PB3 ■ -HT0S □□ S00/g00
				PB3 ■ -HT0S □□ S00/y00
				PB3 ■ -HT0S □□ S00/b00
				PB3 ■ -HT0S □□ S00/w00
				PB3 ■ -HT0S □□ S00/k00

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-HT0S11S00/k00

To select E series (textured black), fill out ■ with E e.g.: PB3E -HT0S11S00/k00




# Pushbutton with light

## Flat pushbutton/High-position pushbutton

### Pushbutton with light

#### Flat pushbutton with light

Appearance	Action manner	With light, voltage	Color	Product order
	M: Momentary type	23: AC/DC24V	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> ○	PB3 ■ -FM1S □□ S00/r23 PB3 ■ -FM1S □□ S00/g23 PB3 ■ -FM1S □□ S00/y23 PB3 ■ -FM1S □□ S00/b23 PB3 ■ -FM1S □□ S00/w23
	T: Latching	23: AC/DC24V	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> ○	PB3 ■ -FT1S □□ S00/r23 PB3 ■ -FT1S □□ S00/g23 PB3 ■ -FT1S □□ S00/y23 PB3 ■ -FT1S □□ S00/b23 PB3 ■ -FT1S □□ S00/w23
	M: Momentary type	28: AC/DC220V	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> ○	PB3 ■ -FM1S □□ S00/r28 PB3 ■ -FM1S □□ S00/g28 PB3 ■ -FM1S □□ S00/y28 PB3 ■ -FM1S □□ S00/b28 PB3 ■ -FM1S □□ S00/w28
	T: Latching	28: AC/DC220V	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> ○	PB3 ■ -FT1S □□ S00/r28 PB3 ■ -FT1S □□ S00/g28 PB3 ■ -FT1S □□ S00/y28 PB3 ■ -FT1S □□ S00/b28 PB3 ■ -FT1S □□ S00/w28





















■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-FT1S11S00/w28

To select E series (textured black), fill out ■ with E e.g.: PB3E-FT1S11S00/w28

**Pushbutton with light**

**High-position pushbutton with light**

Appearance	Action manner	With light, voltage	Color	Product order 
	M: Momentary type	23: AC/DC24V		PB3 ■ -HM1S □□ S00/r23
				PB3 ■ -HM1S □□ S00/g23
				PB3 ■ -HM1S □□ S00/y23
				PB3 ■ -HM1S □□ S00/b23
				PB3 ■ -HM1S □□ S00/w23
			T: Latching	23: AC/DC24V
		PB3 ■ -HT1S □□ S00/g23		
		PB3 ■ -HT1S □□ S00/y23		
		PB3 ■ -HT1S □□ S00/b23		
		PB3 ■ -HT1S □□ S00/w23		
	M: Momentary type	28: AC/DC220V		
				PB3 ■ -HM1S □□ S00/g28
			PB3 ■ -HM1S □□ S00/y28	
			PB3 ■ -HM1S □□ S00/b28	
			PB3 ■ -HM1S □□ S00/w28	
T: Latching			28: AC/DC220V	
		PB3 ■ -HT1S □□ S00/g28		
		PB3 ■ -HT1S □□ S00/y28		
		PB3 ■ -HT1S □□ S00/b28		
		PB3 ■ -HT1S □□ S00/w28		

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-HT1S11S00/w28

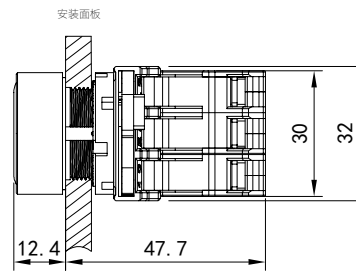
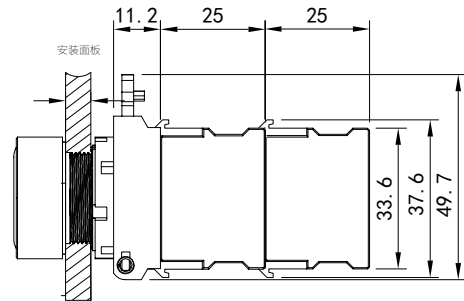
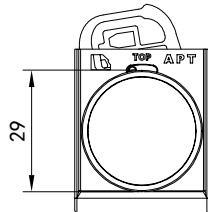
To select E series (textured black), fill out ■ with E e.g.: PB3E -HT1S11S00/w28

# Pushbutton

## Pushbutton outline dimension

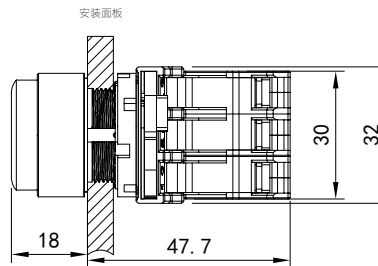
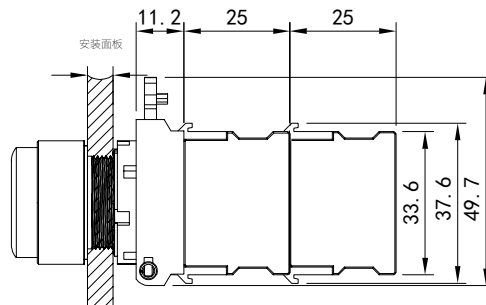
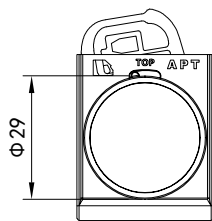
### Flat pushbutton N&E outline dimension

Mounting panel thickness, 1-6mm (default)  
without fixing washer  
Thickness, 1-4.5mm (optional) with fixing washer

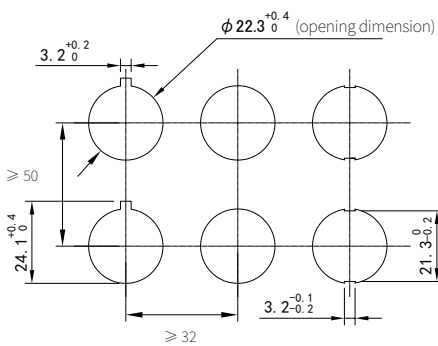


### High-position button N&E outline dimension

Mounting panel thickness, 1-6mm (default)  
without fixing washer  
Thickness, 1-4.5mm (optional) with fixing washer



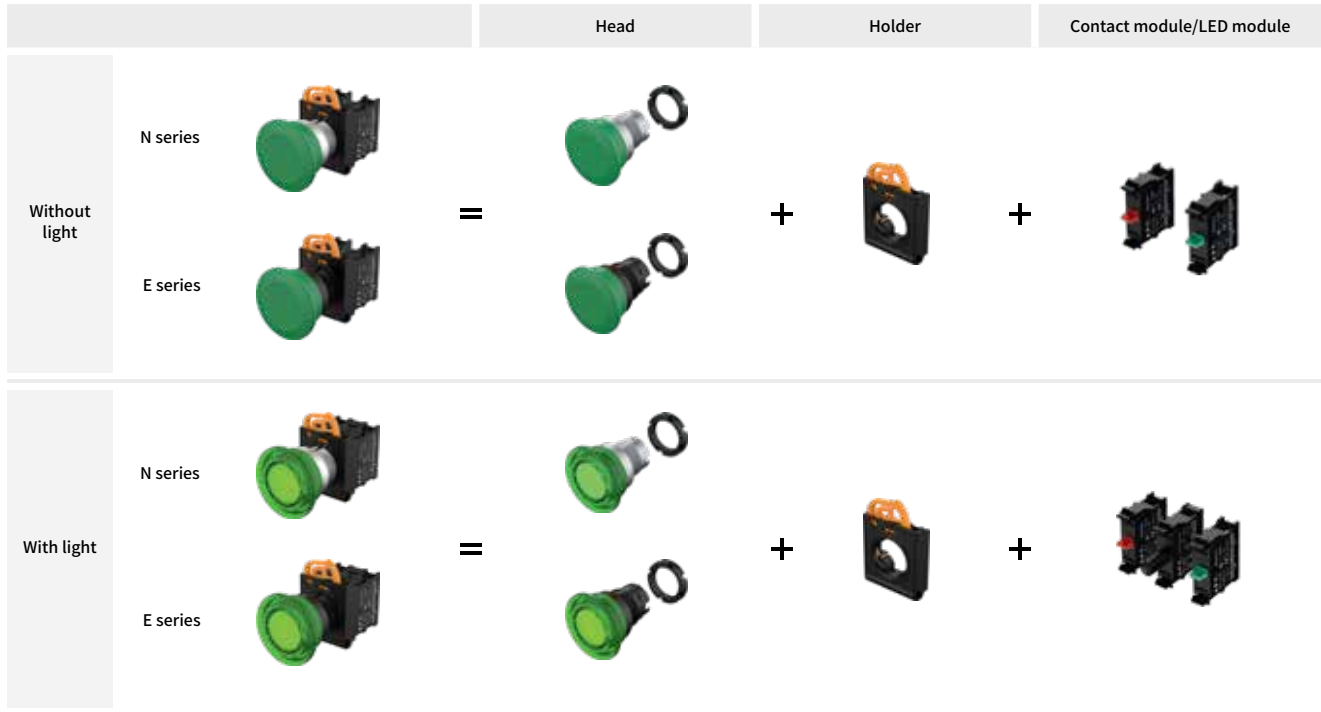
### Minimum mounting distance: unit (mm)



# Pushbutton

## Mushroom pushbutton

### Mushroom pushbutton



### Order code description

Series	Housing color	Head	Action manner	With/without light	Wiring method	Contact type	Inscription	钮片 Color	With light, voltage	
PB3	■	—	M4	T	1	S	□ □	S00 /	g	23
	N: Matte silver	M4:40mm	M: Momentary type	0: Without light	S: Screw wiring	NO NC	S00: Without inscription	r: Red	00: w/o light group	
	E: Textured black	M6:60mm	T: Latching	1: Transparent with light		NO NC	S99: Special inscription	g: Green	21: AC/DC6V	
							S*: Standard inscription	y: Yellow	22: AC/DC12V	
								b: Blue	23: AC/DC24V	
								w: White	24: AC/DC36V	
								k: Black	25: AC/DC48V	
									26: AC/DC110V	
									28: AC/DC220V	
									31: AC220V	
									32: AC380V	

**Note:** Contact type — ① Numbers indicate the number of contacts ② Total number of figures is up to 6

**e.g.** 11:1NO1NC 33:3NO3NC 42:4NO2NC  
1 NO 1 NC 3 NO 3 NC 4 NO 2 NC


**Note:** S \* \* : Selected from the standard inscription library, refer to P31 for specific inscription  
S99: indicating special inscription, that is inscription according to the pattern provided by the customer

# Mushroom pushbutton


## 40mm/60mm

### Mushroom pushbutton

#### 40mm

Appearance	Action manner	With light, voltage	Color	Product order
	M: Momentary type	00: w/o light group	●	PB3 ■ -M4M0S □ □ S00/r00
			●	PB3 ■ -M4M0S □ □ S00/g00
			●	PB3 ■ -M4M0S □ □ S00/y00
			●	PB3 ■ -M4M0S □ □ S00/b00
			○	PB3 ■ -M4M0S □ □ S00/w00
			●	PB3 ■ -M4M0S □ □ S00/k00
			T: Latching	00: w/o light group
	●	PB3 ■ -M4T0S □ □ S00/g00		
	●	PB3 ■ -M4T0S □ □ S00/y00		
	●	PB3 ■ -M4T0S □ □ S00/b00		
	○	PB3 ■ -M4T0S □ □ S00/w00		
	●	PB3 ■ -M4T0S □ □ S00/k00		

#### 60mm

Appearance	Action manner	With light, voltage	Color	Product order
	M: Momentary type	00: w/o light group	●	PB3 ■ -M6M0S □ □ S00/r00
			●	PB3 ■ -M6M0S □ □ S00/g00
			●	PB3 ■ -M6M0S □ □ S00/y00
			●	PB3 ■ -M6M0S □ □ S00/b00
			○	PB3 ■ -M6M0S □ □ S00/w00
			●	PB3 ■ -M6M0S □ □ S00/k00
			T: Latching	00: w/o light group
	●	PB3 ■ -M6T0S □ □ S00/g00		
	●	PB3 ■ -M6T0S □ □ S00/y00		
	●	PB3 ■ -M6T0S □ □ S00/b00		
	○	PB3 ■ -M6T0S □ □ S00/w00		
	●	PB3 ■ -M6T0S □ □ S00/k00		

■ : select N or E series



To select N series (matte silver), fill out ■ with N e.g.: PB3N-M6T0S11S00/k00

To select E series (textured black), fill out ■ with E e.g.: PB3E-M6T0S11S00/k00

# Mushroom pushbutton 40mm/60mm with light

## Mushroom pushbutton

### 40mm with light

Appearance	Action manner	With light, voltage	Color	Product order 
	M: Momentary type	23: AC/DC24V	<span style="color: red;">●</span>	PB3 ■ -M4M1S □□ S00/r23
			<span style="color: green;">●</span>	PB3 ■ -M4M1S □□ S00/g23
			<span style="color: yellow;">●</span>	PB3 ■ -M4M1S □□ S00/y23
			<span style="color: blue;">●</span>	PB3 ■ -M4M1S □□ S00/b23
			○	PB3 ■ -M4M1S □□ S00/w23
			T: Latching	23: AC/DC24V
	<span style="color: green;">●</span>	PB3 ■ -M4T1S □□ S00/g23		
	<span style="color: yellow;">●</span>	PB3 ■ -M4T1S □□ S00/y23		
	<span style="color: blue;">●</span>	PB3 ■ -M4T1S □□ S00/b23		
	○	PB3 ■ -M4T1S □□ S00/w23		
	M: Momentary type	28: AC/DC220V	<span style="color: red;">●</span>	PB3 ■ -M4M1S □□ S00/r28
			<span style="color: green;">●</span>	PB3 ■ -M4M1S □□ S00/g28
			<span style="color: yellow;">●</span>	PB3 ■ -M4M1S □□ S00/y28
			<span style="color: blue;">●</span>	PB3 ■ -M4M1S □□ S00/b28
			○	PB3 ■ -M4M1S □□ S00/w28
	T: Latching	28: AC/DC220V	<span style="color: red;">●</span>	PB3 ■ -M4T1S □□ S00/r28
<span style="color: green;">●</span>			PB3 ■ -M4T1S □□ S00/g28	
<span style="color: yellow;">●</span>			PB3 ■ -M4T1S □□ S00/y28	
<span style="color: blue;">●</span>			PB3 ■ -M4T1S □□ S00/b28	
○			PB3 ■ -M4T1S □□ S00/w28	

■ : select N or E series


To select N series (matte silver), fill out ■ with N e.g.: PB3N-M4T1S11S00/w28

To select E series (textured black), fill out ■ with E e.g.: PB3E-M4T1S11S00/w28

# Mushroom pushbutton 40mm/60mm with light

## Mushroom pushbutton

### 60mm with light

Appearance	Action manner	With light, voltage	Color	Product order
	M: Momentary type	23: AC/DC24V	●	PB3 ■ -M6M1S □□ S00/r23
			●	PB3 ■ -M6M1S □□ S00/g23
			●	PB3 ■ -M6M1S □□ S00/y23
			●	PB3 ■ -M6M1S □□ S00/b23
			○	PB3 ■ -M6M1S □□ S00/w23
	T: Latching	23: AC/DC24V	●	PB3 ■ -M6T1S □□ S00/r23
			●	PB3 ■ -M6T1S □□ S00/g23
			●	PB3 ■ -M6T1S □□ S00/y23
			●	PB3 ■ -M6T1S □□ S00/b23
			○	PB3 ■ -M6T1S □□ S00/w23
	M: Momentary type	28: AC/DC220V	●	PB3 ■ -M6M1S □□ S00/r28
			●	PB3 ■ -M6M1S □□ S00/g28
			●	PB3 ■ -M6M1S □□ S00/y28
			●	PB3 ■ -M6M1S □□ S00/b28
			○	PB3 ■ -M6M1S □□ S00/w28
	T: Latching	28: AC/DC220V	●	PB3 ■ -M6T1S □□ S00/r28
●			PB3 ■ -M6T1S □□ S00/g28	
●			PB3 ■ -M6T1S □□ S00/y28	
●			PB3 ■ -M6T1S □□ S00/b28	
○			PB3 ■ -M6T1S □□ S00/w28	

■ : select N or E series

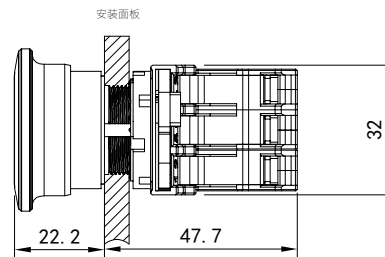
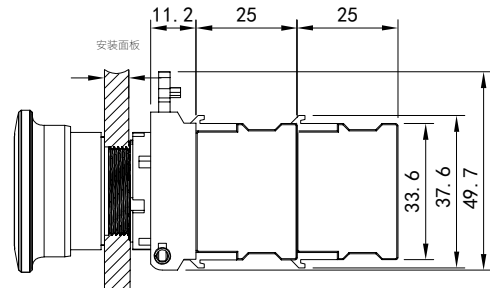
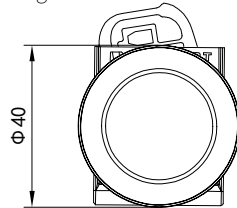
To select N series (matte silver), fill out ■ with N e.g.: PB3N-M6T1S11S00/w28

To select E series (textured black), fill out ■ with E e.g.: PB3E-M6T1S11S00/w28

# Mushroom pushbutton outline dimension

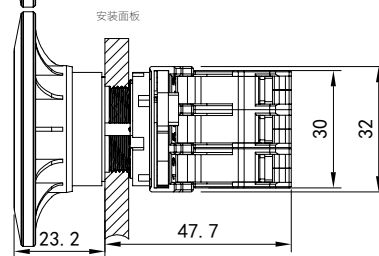
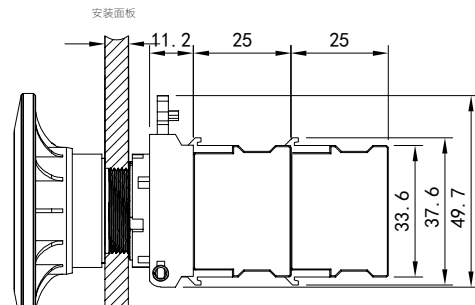
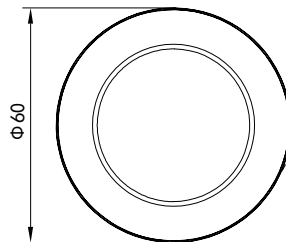
## φ40 Mushroom pushbutton outline dimension

Mounting panel thickness, 1-6mm (default)  
without fixing washer  
Thickness, 1-4.5mm (optional) with fixing washer

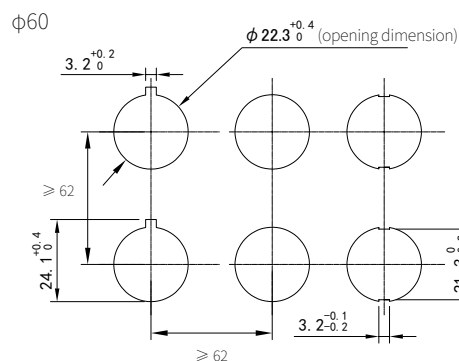
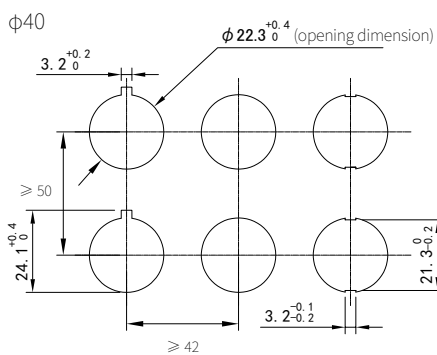


## φ60 Mushroom pushbutton outline dimension

Mounting panel thickness, 1-6mm (default)  
without fixing washer  
Thickness, 1-4.5mm (optional) with fixing washer



## Minimum mounting distance: unit (mm)

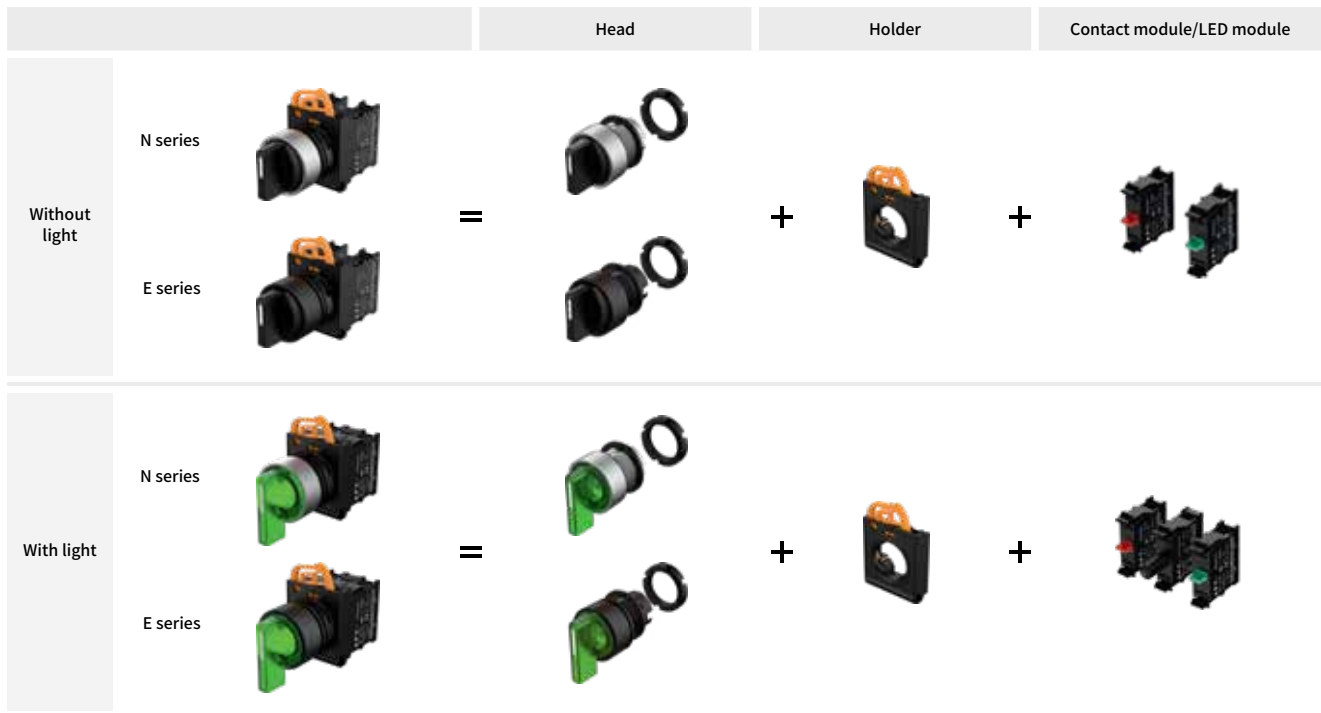




# Selector switch

## Long-handle/short-handle selector switch

### Selector switch



### Order code description

Series	Housing color	Head	With/without light	Wiring method	Contact type	Handle type	Handle color	With light, voltage	Action function
PB3	■	→2	1	S	□ □     	S	g	23	m
N: Matte silver	X2: Two-position	Q Without light	S: Screw wiring	NO NC	S: Short-handle	r: Red	00: w/o light group	m: Positioning	
E: Textured black	X3: Three-position	1: Transparent with light		NO NC	L: Long-handle	g: Green	21: AC/DC6V	f: Left reset	
				Note		y: Yellow	22: AC/DC12V	fu: Right reset	
						b: Blue	23: AC/DC24V	ffu: Left-right reset	
						w: White	24: AC/DC36V		
						k: Black	25: AC/DC48V		
							26: AC/DC110V		
							28: AC/DC220V		
							31: AC220V		
							32: AC380V		

Note Contact type — ① Numbers indicate the number of contacts ② Total number of figures is up to 6

e-2 11:1NO1NC 33:3NO3NC 42:4NO2NC  
1 NO 1 NC 3 NO 3 NC 4 NO 2 NC

# Long-handle/short-handle selector switch

## Selector switch

### Short-handle selector switch

Appearance	Product type	Handle position	With light, voltage	Color	Product order
	2-position, 90°	Positioning 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	PB3 ■ -X20S □□ S/r00m PB3 ■ -X20S □□ S/g00m PB3 ■ -X20S □□ S/y00m PB3 ■ -X20S □□ S/b00m PB3 ■ -X20S □□ S/w00m PB3 ■ -X20S □□ S/k00m
		Right reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	PB3 ■ -X20S □□ S/r00fu PB3 ■ -X20S □□ S/g00fu PB3 ■ -X20S □□ S/y00fu PB3 ■ -X20S □□ S/b00fu PB3 ■ -X20S □□ S/w00fu PB3 ■ -X20S □□ S/k00fu
	3-position, 60°	Positioning 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	PB3 ■ -X30S □□ S/r00m PB3 ■ -X30S □□ S/g00m PB3 ■ -X30S □□ S/y00m PB3 ■ -X30S □□ S/b00m PB3 ■ -X30S □□ S/w00m PB3 ■ -X30S □□ S/k00m
		Left reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	PB3 ■ -X30S □□ S/r00f PB3 ■ -X30S □□ S/g00f PB3 ■ -X30S □□ S/y00f PB3 ■ -X30S □□ S/b00f PB3 ■ -X30S □□ S/w00f PB3 ■ -X30S □□ S/k00f
		Right reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	PB3 ■ -X30S □□ S/r00fu PB3 ■ -X30S □□ S/g00fu PB3 ■ -X30S □□ S/y00fu PB3 ■ -X30S □□ S/b00fu PB3 ■ -X30S □□ S/w00fu PB3 ■ -X30S □□ S/k00fu
		Left-right reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	PB3 ■ -X30S □□ S/r00ffu PB3 ■ -X30S □□ S/g00ffu PB3 ■ -X30S □□ S/y00ffu PB3 ■ -X30S □□ S/b00ffu PB3 ■ -X30S □□ S/w00ffu PB3 ■ -X30S □□ S/k00ffu

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-X30S11S/k00ffu










To select E series (textured black), fill out ■ with E e.g.: PB3E-X30S11S/k00ffu

# Selector switch

## Long-handle/short-handle selector switch

### Selector switch

#### Long-handle selector switch

Appearance	Product type	Handle position	With light, voltage	Color	Product order		
	2-position, 90°	Positioning 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X20S □□ L/r00m</li> <li>PB3 ■ -X20S □□ L/g00m</li> <li>PB3 ■ -X20S □□ L/y00m</li> <li>PB3 ■ -X20S □□ L/b00m</li> <li>PB3 ■ -X20S □□ L/w00m</li> <li>PB3 ■ -X20S □□ L/k00m</li> </ul>		
		Right reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X20S □□ L/r00fu</li> <li>PB3 ■ -X20S □□ L/g00fu</li> <li>PB3 ■ -X20S □□ L/y00fu</li> <li>PB3 ■ -X20S □□ L/b00fu</li> <li>PB3 ■ -X20S □□ L/w00fu</li> <li>PB3 ■ -X20S □□ L/k00fu</li> </ul>		
			3-position, 60°	Positioning 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X30S □□ L/r00m</li> <li>PB3 ■ -X30S □□ L/g00m</li> <li>PB3 ■ -X30S □□ L/y00m</li> <li>PB3 ■ -X30S □□ L/b00m</li> <li>PB3 ■ -X30S □□ L/w00m</li> <li>PB3 ■ -X30S □□ L/k00m</li> </ul>
				Left reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X30S □□ L/r00f</li> <li>PB3 ■ -X30S □□ L/g00f</li> <li>PB3 ■ -X30S □□ L/y00f</li> <li>PB3 ■ -X30S □□ L/b00f</li> <li>PB3 ■ -X30S □□ L/w00f</li> <li>PB3 ■ -X30S □□ L/k00f</li> </ul>
	3-position, 60°	Right reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X30S □□ L/r00fu</li> <li>PB3 ■ -X30S □□ L/g00fu</li> <li>PB3 ■ -X30S □□ L/y00fu</li> <li>PB3 ■ -X30S □□ L/b00fu</li> <li>PB3 ■ -X30S □□ L/w00fu</li> <li>PB3 ■ -X30S □□ L/k00fu</li> </ul>		
		Left-right reset 	00: w/o light group	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X30S □□ L/r00ffu</li> <li>PB3 ■ -X30S □□ L/g00ffu</li> <li>PB3 ■ -X30S □□ L/y00ffu</li> <li>PB3 ■ -X30S □□ L/b00ffu</li> <li>PB3 ■ -X30S □□ L/w00ffu</li> <li>PB3 ■ -X30S □□ L/k00ffu</li> </ul>		

■ : select N or E series





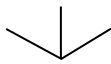
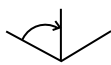


To select N series (matte silver), fill out ■ with N e.g.: PB3N-X30S11L/k00ffu

To select E series (textured black), fill out ■ with E e.g.: PB3E-X30S11L/k00ffu

# Short-handle/long-handle selector switch with light

## Selector switch

### Short-handle selector switch with light

Appearance	Product type	Handle position	With light, voltage	Color	Product order
	2-position, 90°	Positioning 	23: AC/DC24V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X21S □□ S/r23m PB3 ■ -X21S □□ S/g23m PB3 ■ -X21S □□ S/y23m PB3 ■ -X21S □□ S/b23m PB3 ■ -X21S □□ S/w23m
		Right reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X21S □□ S/r23fu PB3 ■ -X21S □□ S/g23fu PB3 ■ -X21S □□ S/y23fu PB3 ■ -X21S □□ S/b23fu PB3 ■ -X21S □□ S/w23fu
	3-position, 60°	Positioning 	23: AC/DC24V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r23m PB3 ■ -X31S □□ S/g23m PB3 ■ -X31S □□ S/y23m PB3 ■ -X31S □□ S/b23m PB3 ■ -X31S □□ S/w23m
		Left reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r23f PB3 ■ -X31S □□ S/g23f PB3 ■ -X31S □□ S/y23f PB3 ■ -X31S □□ S/b23f PB3 ■ -X31S □□ S/w23f
		Right reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r23fu PB3 ■ -X31S □□ S/g23fu PB3 ■ -X31S □□ S/y23fu PB3 ■ -X31S □□ S/b23fu PB3 ■ -X31S □□ S/w23fu
		Left-right reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r23ffu PB3 ■ -X31S □□ S/g23ffu PB3 ■ -X31S □□ S/y23ffu PB3 ■ -X31S □□ S/b23ffu PB3 ■ -X31S □□ S/w23ffu

■ : select N or E series




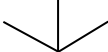
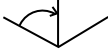
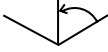
To select N series (matte silver), fill out ■ with N e.g.: PB3N - X31S11S/w23ffu

To select E series (textured black), fill out ■ with E e.g.: PB3E - X31S11S/w23ffu

# Short-handle/long-handle selector switch with light

## Selector switch

### Short-handle selector switch with light

Appearance	Product type	Handle position	With light, voltage	Color	Product order
	2-position, 90°	Positioning 	28: AC/DC220V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X21S □□ S/r28m PB3 ■ -X21S □□ S/g28m PB3 ■ -X21S □□ S/y28m PB3 ■ -X21S □□ S/b28m PB3 ■ -X21S □□ S/w28m
		Right reset 	28: AC/DC220V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X21S □□ S/r28fu PB3 ■ -X21S □□ S/g28fu PB3 ■ -X21S □□ S/y28fu PB3 ■ -X21S □□ S/b28fu PB3 ■ -X21S □□ S/w28fu
	3-position, 60°	Positioning 	28: AC/DC220V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r28m PB3 ■ -X31S □□ S/g28m PB3 ■ -X31S □□ S/y28m PB3 ■ -X31S □□ S/b28m PB3 ■ -X31S □□ S/w28m
		Left reset 	28: AC/DC220V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r28f PB3 ■ -X31S □□ S/g28f PB3 ■ -X31S □□ S/y28f PB3 ■ -X31S □□ S/b28f PB3 ■ -X31S □□ S/w28f
		Right reset 	28: AC/DC220V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r28fu PB3 ■ -X31S □□ S/g28fu PB3 ■ -X31S □□ S/y28fu PB3 ■ -X31S □□ S/b28fu PB3 ■ -X31S □□ S/w28fu
		Left-right reset 	28: AC/DC220V	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>○</li> </ul>	PB3 ■ -X31S □□ S/r28ffu PB3 ■ -X31S □□ S/g28ffu PB3 ■ -X31S □□ S/y28ffu PB3 ■ -X31S □□ S/b28ffu PB3 ■ -X31S □□ S/w28ffu


■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-X31S11S/w28ffu

To select E series (textured black), fill out ■ with E e.g.: PB3E-X31S11S/w28ffu

## Selector switch

### Long-handle selector switch with light

Appearance	Product type	Handle position	With light, voltage	Color	Product order 
	2-position, 90°	Positioning 	23: AC/DC24V	<ul style="list-style-type: none"> <li><span style="color: red;">●</span></li> <li><span style="color: green;">●</span></li> <li><span style="color: yellow;">●</span></li> <li><span style="color: cyan;">●</span></li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X21S □□ L/r23m</li> <li>PB3 ■ -X21S □□ L/g23m</li> <li>PB3 ■ -X21S □□ L/y23m</li> <li>PB3 ■ -X21S □□ L/b23mz</li> <li>PB3 ■ -X21S □□ L/w23m</li> </ul>
		Right reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li><span style="color: red;">●</span></li> <li><span style="color: green;">●</span></li> <li><span style="color: yellow;">●</span></li> <li><span style="color: cyan;">●</span></li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X21S □□ L/r23fu</li> <li>PB3 ■ -X21S □□ L/g23fu</li> <li>PB3 ■ -X21S □□ L/y23fu</li> <li>PB3 ■ -X21S □□ L/b23fu</li> <li>PB3 ■ -X21S □□ L/w23fu</li> </ul>
		Positioning 	23: AC/DC24V	<ul style="list-style-type: none"> <li><span style="color: red;">●</span></li> <li><span style="color: green;">●</span></li> <li><span style="color: yellow;">●</span></li> <li><span style="color: cyan;">●</span></li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X31S □□ L/r23m</li> <li>PB3 ■ -X31S □□ L/g23m</li> <li>PB3 ■ -X31S □□ L/y23m</li> <li>PB3 ■ -X31S □□ L/b23m</li> <li>PB3 ■ -X31S □□ L/w23m</li> </ul>
		Left reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li><span style="color: red;">●</span></li> <li><span style="color: green;">●</span></li> <li><span style="color: yellow;">●</span></li> <li><span style="color: cyan;">●</span></li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X31S □□ L/r23f</li> <li>PB3 ■ -X31S □□ L/g23f</li> <li>PB3 ■ -X31S □□ L/y23f</li> <li>PB3 ■ -X31S □□ L/b23f</li> <li>PB3 ■ -X31S □□ L/w23f</li> </ul>
	3-position, 60°	Right reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li><span style="color: red;">●</span></li> <li><span style="color: green;">●</span></li> <li><span style="color: yellow;">●</span></li> <li><span style="color: cyan;">●</span></li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X31S □□ L/r23fu</li> <li>PB3 ■ -X31S □□ L/g23fu</li> <li>PB3 ■ -X31S □□ L/y23fu</li> <li>PB3 ■ -X31S □□ L/b23fu</li> <li>PB3 ■ -X31S □□ L/w23fu</li> </ul>
		Left-right reset 	23: AC/DC24V	<ul style="list-style-type: none"> <li><span style="color: red;">●</span></li> <li><span style="color: green;">●</span></li> <li><span style="color: yellow;">●</span></li> <li><span style="color: cyan;">●</span></li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>PB3 ■ -X31S □□ L/r23ffu</li> <li>PB3 ■ -X31S □□ L/g23ffu</li> <li>PB3 ■ -X31S □□ L/y23ffu</li> <li>PB3 ■ -X31S □□ L/b23ffu</li> <li>PB3 ■ -X31S □□ L/w23ffu</li> </ul>

■ : select N or E series









To select N series (matte silver), fill out ■ with N e.g.: PB3N - X31S11S/w23ffu

To select E series (textured black), fill out ■ with E e.g.: PB3E - X31S11S/w23ffu

# Short-handle/long-handle selector switch with light

## Selector switch

### Long-handle selector switch with light

Appearance	Product type	Handle position	With light, voltage	Color	Product order	
	2-position, 90°	Positioning 	28: AC/DC220V	●	PB3 ■ -X21S □□ L/r28m	
				●	PB3 ■ -X21S □□ L/g28m	
				●	PB3 ■ -X21S □□ L/y28m	
				●	PB3 ■ -X21S □□ L/b28m	
			○	PB3 ■ -X21S □□ L/w28m		
	3-position, 60°	Right reset 	28: AC/DC220V	●	PB3 ■ -X21S □□ L/r28fu	
				●	PB3 ■ -X21S □□ L/g28fu	
				●	PB3 ■ -X21S □□ L/y28fu	
				●	PB3 ■ -X21S □□ L/b28fu	
				○	PB3 ■ -X21S □□ L/w28fu	
		Positioning 		28: AC/DC220V	●	PB3 ■ -X31S □□ L/r28m
					●	PB3 ■ -X31S □□ L/g28m
					●	PB3 ■ -X31S □□ L/y28m
	●	PB3 ■ -X31S □□ L/b28m				
	○	PB3 ■ -X31S □□ L/w28m				
Left reset 	28: AC/DC220V	●	PB3 ■ -X31S □□ L/r28f			
		●	PB3 ■ -X31S □□ L/g28f			
		●	PB3 ■ -X31S □□ L/y28f			
		●	PB3 ■ -X31S □□ L/b28f			
		○	PB3 ■ -X31S □□ L/w28f			
Right reset 		28: AC/DC220V	●	PB3 ■ -X31S □□ L/r28fu		
			●	PB3 ■ -X31S □□ L/g28fu		
			●	PB3 ■ -X31S □□ L/y28fu		
	●		PB3 ■ -X31S □□ L/b28fu			
	○		PB3 ■ -X31S □□ L/w28fuzz			
Left-right reset 	28: AC/DC220V		●	PB3 ■ -X31S □□ L/r28ffu		
			●	PB3 ■ -X31S □□ L/g28ffu		
			●	PB3 ■ -X31S □□ L/y28ffu		
		●	PB3 ■ -X31S □□ L/b28ffu			
		○	PB3 ■ -X31S □□ L/w28ffu			

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-X31S11L/w28ffu

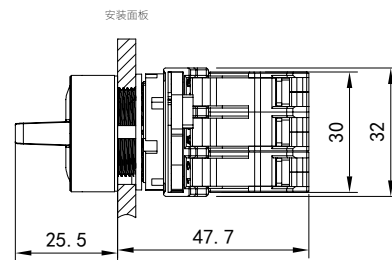
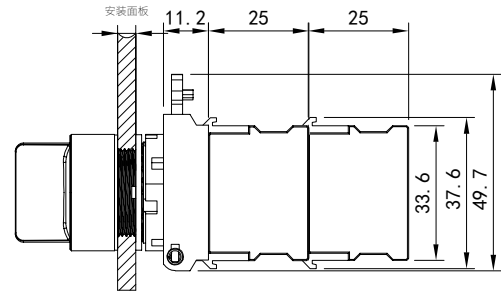
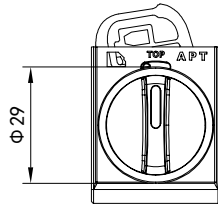
To select E series (textured black), fill out ■ with E e.g.: PB3E-X31S11L/w28ffu

# Selector switch

## Selector switch outline dimension

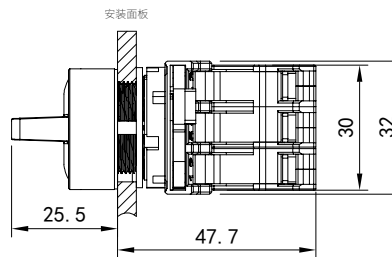
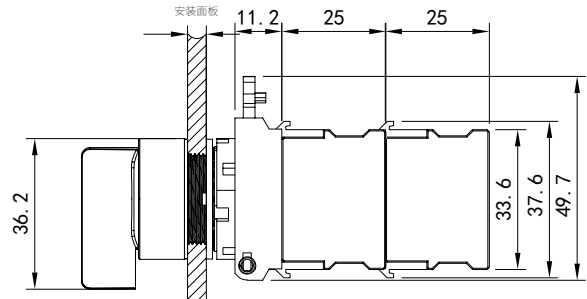
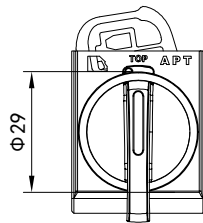
### Short-handle N&E outline dimension

Mounting panel thickness, 1-4.5mm (standard) with fixing washer

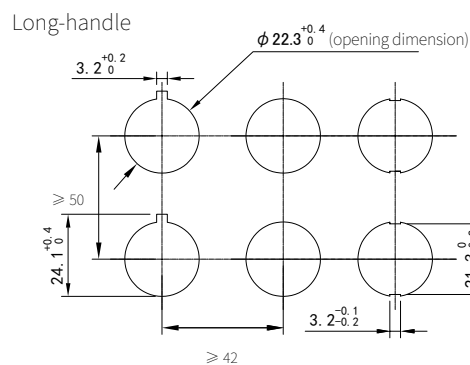
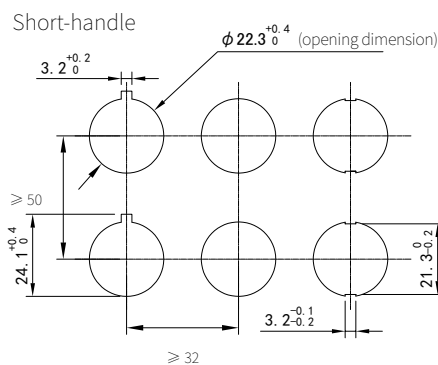


### Long-handle N&E outline dimension

Mounting panel thickness, 1-4.5mm (standard) with fixing washer



### Minimum mounting distance: unit (mm)





# Key switch

## Key switch



## Order code description

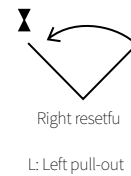
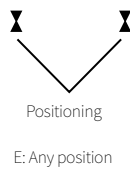
Series	Housing color	Head	Wiring method	Contact type	Key pull-out position	Action function
PB3	■	—	Y2	S	□ □ / E	m
	N: Matte silver E: Textured black	Y2: 2-position Key switch Y3: 3-position Key switch	S: Screw wiring		E: Any position L: Left C: Center R: Right	m: Positioning f: Left reset fu: Right reset ffu: Left-right reset

**Note** Contact type — ① Numbers indicate the number of contacts ② Total number of figures is up to 6

**Ex.** 11:1NO1NC 33:3NO3NC 42:4NO2NC  
1 NO 1 NC 3 NO 3 NC 4 NO 2 NC

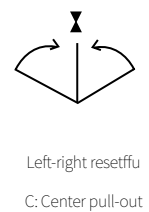
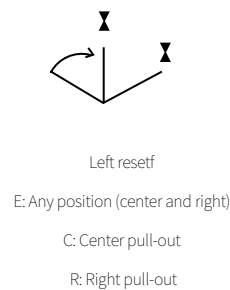
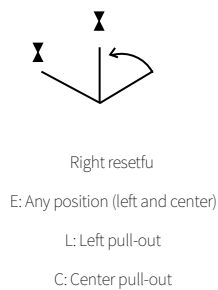
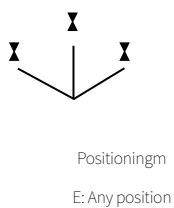
## Key pull-out position **Note**

### Y2: 2-position (90°)




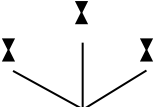


Note: Left pull-out by default

### Y3: 3-position (60°)



**Key switch**

Appearance	Product type	Action function	Key pull-out position	Product order 
	2-position, 90° 	m: Positioning	Left	PB3 ■ -Y2S □□ /Lm
			Right	PB3 ■ -Y2S □□ /Rm
		Any		PB3 ■ -Y2S □□ /Em
	3-position, 60° 	fu: Right reset	Left	PB3 ■ -Y2S □□ /Lfu
		m: Positioning	Left	PB3 ■ -Y3S □□ /Lm
			Center	PB3 ■ -Y3S □□ /Cm
			Right	PB3 ■ -Y3S □□ /Rm
			Any	PB3 ■ -Y3S □□ /Em
f: Left reset		Center	PB3 ■ -Y3S □□ /Cf	
	Right	PB3 ■ -Y3S □□ /Rf		
fu: Right reset	Any	PB3 ■ -Y3S □□ /Ef		
	Left	PB3 ■ -Y3S □□ /Lfu		
	Center	PB3 ■ -Y3S □□ /Cfu		
ffu: Left-right reset	Any	PB3 ■ -Y3S □□ /Efu		
	Center	PB3 ■ -Y3S □□ /Cffu		

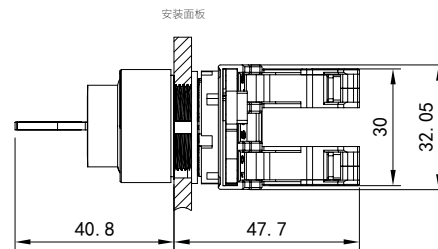
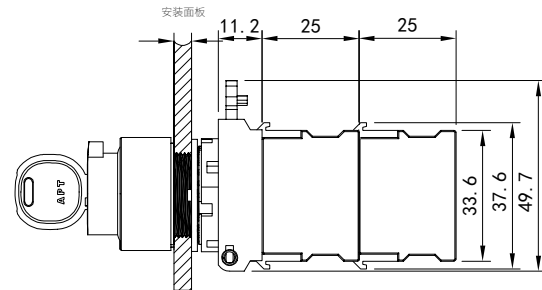
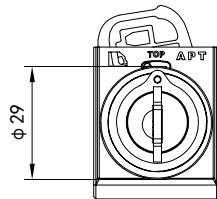
■ : select N or E series  
 To select N series (matte silver), fill out ■ with N e.g.: PB3N-Y3S11/Cffu  
 To select E series (textured black), fill out ■ with E e.g.: PB3E-Y3S11/Cffu

# Key switch

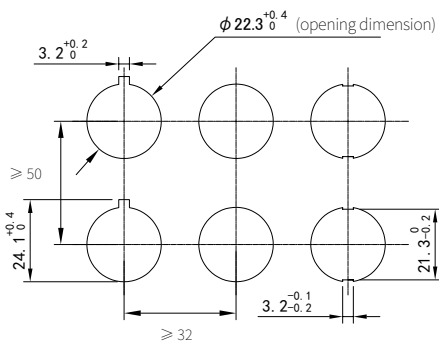
## Key switch outline dimension

### Key switch N&E outline dimension

Mounting panel thickness, 1-4.5mm (standard) with fixing washer

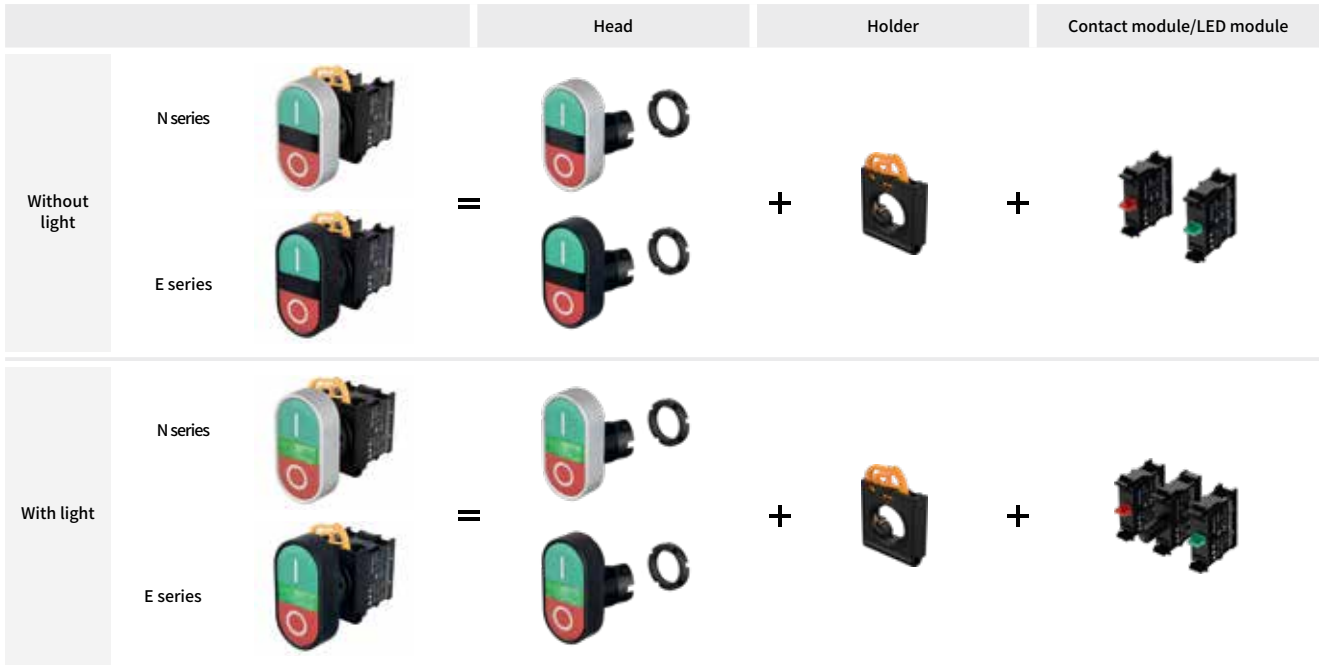


### Minimum mounting distance: unit (mm)





# Twin pushbutton

## Twin pushbutton



## Order code description




Series	Product category	Pushbutton type	Operation type	With/without light	Wiring method	Contact type	Inscription	Light color	With light, voltage
PB3	E —	D	M	0	S	□ □	RS1 /	n	00
	E: Basic N: Standard	D: Twin pushbutton	M: Momentary type	0: Without light 1: Transparent with light	S: Screw wiring	  NO NO NC NC	R: High-position twin pushbutton F: Flat twin pushbutton  RS1: Red high button printed with ○ Green low button printed with    RS2: Black high button printed with ○ White low button printed with    FS1: 2-position flush Red button printed with ○ Green button printed with    FS2: 2-position flush Black button printed with ○ White button printed with	n: w/o light r: red g: green y: yellow b: blue w: white	00: w/o light group 21: AC/DC6V 22: AC/DC12V 23: AC/DC24V 24: AC/DC36V 25: AC/DC48V 26: AC/DC110V 28: AC/DC220V 31: AC220V 32: AC380V

**Note** Contact type — ① Numbers indicate the number of contacts ② Total number of figures is up to 4

**Example** 11:1NO1NC      22:2NO2NC  
1 NO 1 NC      2 NO 2 NC

# Twin pushbutton

## Twin pushbutton

	Appearance	Action manner	Pushbutton Color	With light, voltage	Light color	Product order
High-position twin pushbutton			● ●	00: w/o light group	Without	PB3 ■ -DM0S □□ RS1/n00
			● ○		light	PB3 ■ -DM0S □□ RS2/n00
Flat twin pushbutton			● ●	00: w/o light group	Without	PB3 ■ -DM0S □□ FS1/n00
			● ○		light	PB3 ■ -DM0S □□ FS2/n00
High-position twin pushbutton with light		M: Momentary type	● ●	23: AC/DC24V	● ● ●	PB3 ■ -DM1S □□ RS1/r23 PB3 ■ -DM1S □□ RS1/g23 PB3 ■ -DM1S □□ RS1/y23 PB3 ■ -DM1S □□ RS1/b23 PB3 ■ -DM1S □□ RS1/w23
			● ○		○ ● ○ ○ ○	PB3 ■ -DM1S □□ RS2/r23 PB3 ■ -DM1S □□ RS2/g23 PB3 ■ -DM1S □□ RS2/y23 PB3 ■ -DM1S □□ RS2/b23 PB3 ■ -DM1S □□ RS2/w23
Flat twin pushbutton with light			● ●	28: AC/DC220V	● ● ●	PB3 ■ -DM1S □□ FS1/r23 PB3 ■ -DM1S □□ FS1/g23 PB3 ■ -DM1S □□ FS1/y23 PB3 ■ -DM1S □□ FS1/b23 PB3 ■ -DM1S □□ FS1/w23
			● ○		○ ● ○ ○ ○	PB3 ■ -DM1S □□ FS2/r23 PB3 ■ -DM1S □□ FS2/g23 PB3 ■ -DM1S □□ FS2/y23 PB3 ■ -DM1S □□ FS2/b23 PB3 ■ -DM1S □□ FS2/w23

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-DM0S11RS1/n00

To select E series (textured black), fill out ■ with E e.g.: PB3E-DM0S11RS1/n00

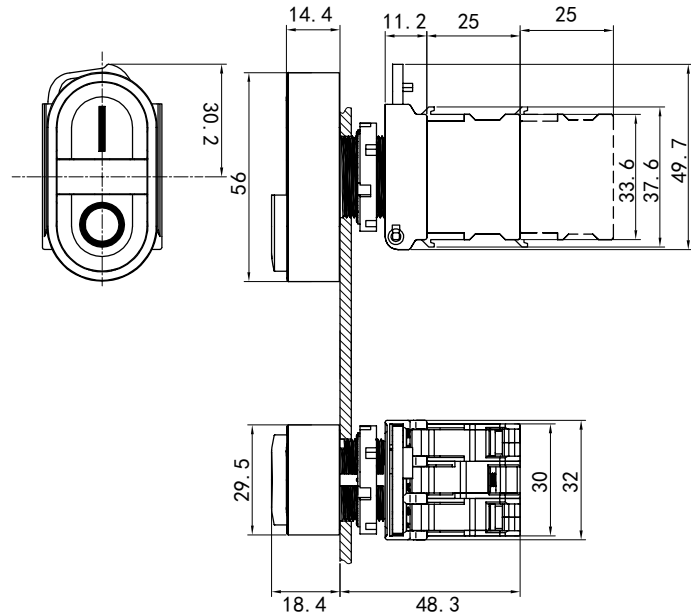
# Twin pushbutton

## Twin pushbutton outline dimension

### Twin pushbutton

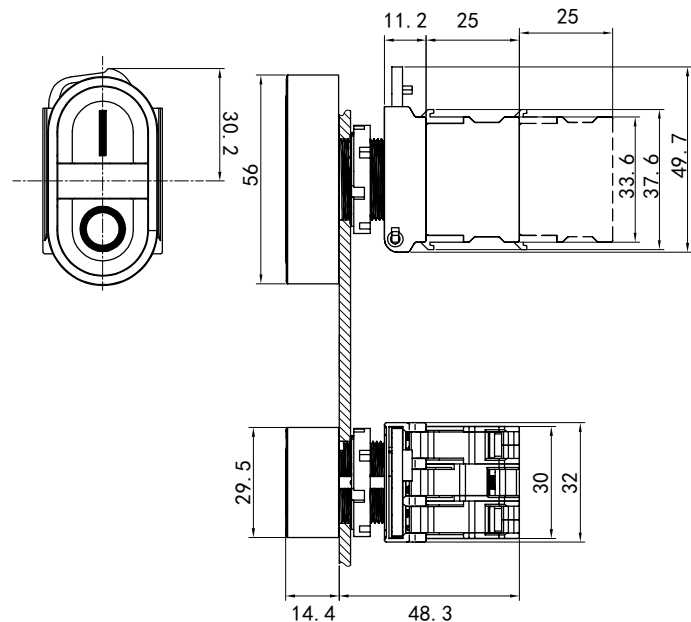
#### High-position twin pushbutton N&E outline dimension

Mounting panel thickness, 1-6mm (default)  
without fixing washer  
Thickness, 1-4.5mm (optional) with fixing washer

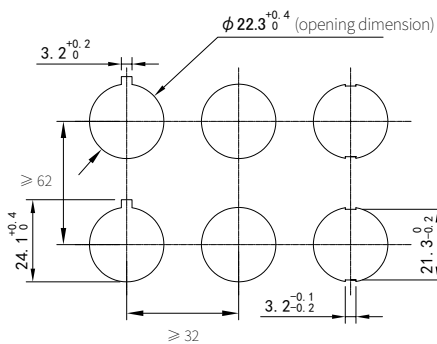


#### Flat twin pushbutton N&E outline dimension

Mounting panel thickness, 1-6mm (default)  
without fixing washer  
Thickness, 1-4.5mm (optional) with fixing washer







#### Minimum mounting distance: unit (mm)



# Accessory Head

## Head

### E-stop pushbutton (40mm)

Appearance	Operation type	With/without light	Color	N series rotary/pull release trigger type without inscription
	ZR: Rotary/pull release trigger type	0: Without light	●	PB3N-ZR40/r
	ZR: Rotary release	0: Without light	●	E series rotary release without inscription PB3E-ZR40/r
	ZL: Pull release	0: Without light	●	E series pull release without inscription PB3E-ZL40/r
	ZR: Rotary/pull release trigger type	1: Transparent with light	●	N series rotary/pull release trigger type with light without inscription PB3N-ZR41/r

**Head**

**Mushroom pushbutton (40mm)**

Appearance	Action manner	With/without light	Color	N series momentary without inscription	N series momentary with inscription	N series latching without inscription	N series latching with inscription
	M: Momentary type T: Latching	0: Without light	●	PB3 ■ -M4M0S00/r	PB3 ■ -M4M0S99/r	PB3 ■ -M4T0S00/r	PB3 ■ -M4T0S99/r
			●	PB3 ■ -M4M0S00/g	PB3 ■ -M4M0S99/g	PB3 ■ -M4T0S00/g	PB3 ■ -M4T0S99/g
			●	PB3 ■ -M4M0S00/y	PB3 ■ -M4M0S99/y	PB3 ■ -M4T0S00/y	PB3 ■ -M4T0S99/y
			●	PB3 ■ -M4M0S00/b	PB3 ■ -M4M0S99/b	PB3 ■ -M4T0S00/b	PB3 ■ -M4T0S99/b
			○	PB3 ■ -M4M0S00/w	PB3 ■ -M4M0S99/w	PB3 ■ -M4T0S00/w	PB3 ■ -M4T0S99/w
			●	PB3 ■ -M4M0S00/k	PB3 ■ -M4M0S99/k	PB3 ■ -M4T0S00/k	PB3 ■ -M4T0S99/k
				M: Momentary type T: Latching	1: Transparent with light	●	PB3 ■ -M4M1S00/r
●	PB3 ■ -M4M1S00/g	PB3 ■ -M4M1S99/g				PB3 ■ -M4T1S00/g	PB3 ■ -M4T1S99/g
●	PB3 ■ -M4M1S00/y	PB3 ■ -M4M1S99/y				PB3 ■ -M4T1S00/y	PB3 ■ -M4T1S99/y
●	PB3 ■ -M4M1S00/b	PB3 ■ -M4M1S99/b				PB3 ■ -M4T1S00/b	PB3 ■ -M4T1S99/b
○	PB3 ■ -M4M1S00/w	PB3 ■ -M4M1S99/w				PB3 ■ -M4T1S00/w	PB3 ■ -M4T1S99/w

**Mushroom pushbutton (60mm)**

Appearance	Action manner	With/without light	Color	N series momentary without inscription	N series momentary with inscription	N series latching without inscription	N series latching with inscription
	M: Momentary type T: Latching	0: Without light	●	PB3 ■ -M6M0S00/r	PB3 ■ -M6M0S99/r	PB3 ■ -M6T0S00/r	PB3 ■ -M6T0S99/r
			●	PB3 ■ -M6M0S00/g	PB3 ■ -M6M0S99/g	PB3 ■ -M6T0S00/g	PB3 ■ -M6T0S99/g
			●	PB3 ■ -M6M0S00/y	PB3 ■ -M6M0S99/y	PB3 ■ -M6T0S00/y	PB3 ■ -M6T0S99/y
			●	PB3 ■ -M6M0S00/b	PB3 ■ -M6M0S99/b	PB3 ■ -M6T0S00/b	PB3 ■ -M6T0S99/b
			○	PB3 ■ -M6M0S00/w	PB3 ■ -M6M0S99/w	PB3 ■ -M6T0S00/w	PB3 ■ -M6T0S99/w
			●	PB3 ■ -M6M0S00/k	PB3 ■ -M6M0S99/k	PB3 ■ -M6T0S00/k	PB3 ■ -M6T0S99/k
				M: Momentary type T: Latching	1: Transparent with light	●	PB3 ■ -M6M1S00/r
●	PB3 ■ -M6M1S00/g	PB3 ■ -M6M1S99/g				PB3 ■ -M6T1S00/g	PB3 ■ -M6T1S99/g
●	PB3 ■ -M6M1S00/y	PB3 ■ -M6M1S99/y				PB3 ■ -M6T1S00/y	PB3 ■ -M6T1S99/y
●	PB3 ■ -M6M1S00/b	PB3 ■ -M6M1S99/b				PB3 ■ -M6T1S00/b	PB3 ■ -M6T1S99/b
○	PB3 ■ -M6M1S00/w	PB3 ■ -M6M1S99/w				PB3 ■ -M6T1S00/w	PB3 ■ -M6T1S99/w

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-M6T1S99/w



To select E series (textured black), fill out ■ with E e.g.: PB3E-M6T1S99/w



# Accessory Head

## Head

### Flat pushbutton

Appearance	Action manner	With/without light	Color	N series momentary without inscription	N series momentary with inscription	N series latching without inscription	N series latching with inscription
	M: Momentary type T: Latching	0: Without light	●	PB3 ■ -FM0S00/r	PB3 ■ -FM0S99/r	PB3 ■ -FT0S00/r	PB3 ■ -FT0S99/r
			●	PB3 ■ -FM0S00/g	PB3 ■ -FM0S99/g	PB3 ■ -FT0S00/g	PB3 ■ -FT0S99/g
			●	PB3 ■ -FM0S00/y	PB3 ■ -FM0S99/y	PB3 ■ -FT0S00/y	PB3 ■ -FT0S99/y
			●	PB3 ■ -FM0S00/b	PB3 ■ -FM0S99/b	PB3 ■ -FT0S00/b	PB3 ■ -FT0S99/b
			○	PB3 ■ -FM0S00/w	PB3 ■ -FM0S99/w	PB3 ■ -FT0S00/w	PB3 ■ -FT0S99/w
			●	PB3 ■ -FM0S00/k	PB3 ■ -FM0S99/k	PB3 ■ -FT0S00/k	PB3 ■ -FT0S99/k
			○	PB3 ■ -FM0S00/w	PB3 ■ -FM0S99/w	PB3 ■ -FT0S00/w	PB3 ■ -FT0S99/w
	M: Momentary type T: Latching	1: Transparent with light	●	PB3 ■ -FM1S00/r	PB3 ■ -FM1S99/r	PB3 ■ -FT1S00/r	PB3 ■ -FT1S99/r
		2: 磨砂带灯	●	PB3 ■ -FM1S00/g	PB3 ■ -FM1S99/g	PB3 ■ -FT1S00/g	PB3 ■ -FT1S99/g
		●	PB3 ■ -FM1S00/y	PB3 ■ -FM1S99/y	PB3 ■ -FT1S00/y	PB3 ■ -FT1S99/y	
		●	PB3 ■ -FM1S00/b	PB3 ■ -FM1S99/b	PB3 ■ -FT1S00/b	PB3 ■ -FT1S99/b	
		○	PB3 ■ -FM1S00/w	PB3 ■ -FM1S99/w	PB3 ■ -FT1S00/w	PB3 ■ -FT1S99/w	
		●	PB3 ■ -FM1S00/r	PB3 ■ -FM1S99/r	PB3 ■ -FT1S00/r	PB3 ■ -FT1S99/r	
		○	PB3 ■ -FM1S00/w	PB3 ■ -FM1S99/w	PB3 ■ -FT1S00/w	PB3 ■ -FT1S99/w	

### High-position button

Appearance	Action manner	With/without light	Color	N series momentary without inscription	N series momentary with inscription	N series latching without inscription	N series latching with inscription
	M: Momentary type T: Latching	0: Without light	●	PB3 ■ -HM0S00/r	PB3 ■ -HM0S99/r	PB3 ■ -HT0S00/r	PB3 ■ -HT0S99/r
			●	PB3 ■ -HM0S00/g	PB3 ■ -HM0S99/g	PB3 ■ -HT0S00/g	PB3 ■ -HT0S99/g
			●	PB3 ■ -HM0S00/y	PB3 ■ -HM0S99/y	PB3 ■ -HT0S00/y	PB3 ■ -HT0S99/y
			●	PB3 ■ -HM0S00/b	PB3 ■ -HM0S99/b	PB3 ■ -HT0S00/b	PB3 ■ -HT0S99/b
			○	PB3 ■ -HM0S00/w	PB3 ■ -HM0S99/w	PB3 ■ -HT0S00/w	PB3 ■ -HT0S99/w
			●	PB3 ■ -HM0S00/k	PB3 ■ -HM0S99/k	PB3 ■ -HT0S00/k	PB3 ■ -HT0S99/k
			○	PB3 ■ -HM0S00/w	PB3 ■ -HM0S99/w	PB3 ■ -HT0S00/w	PB3 ■ -HT0S99/w
	M: Momentary type T: Latching	1: Transparent with light	●	PB3 ■ -HM1S00/r	PB3 ■ -HM1S99/r	PB3 ■ -HT1S00/r	PB3 ■ -HT1S99/r
		2: 磨砂带灯	●	PB3 ■ -HM1S00/g	PB3 ■ -HM1S99/g	PB3 ■ -HT1S00/g	PB3 ■ -HT1S99/g
		●	PB3 ■ -HM1S00/y	PB3 ■ -HM1S99/y	PB3 ■ -HT1S00/y	PB3 ■ -HT1S99/y	
		●	PB3 ■ -HM1S00/b	PB3 ■ -HM1S99/b	PB3 ■ -HT1S00/b	PB3 ■ -HT1S99/b	
		○	PB3 ■ -HM1S00/w	PB3 ■ -HM1S99/w	PB3 ■ -HT1S00/w	PB3 ■ -HT1S99/w	
		●	PB3 ■ -HM1S00/r	PB3 ■ -HM1S99/r	PB3 ■ -HT1S00/r	PB3 ■ -HT1S99/r	
		○	PB3 ■ -HM1S00/w	PB3 ■ -HM1S99/w	PB3 ■ -HT1S00/w	PB3 ■ -HT1S99/w	



■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-HT1S99/w

To select E series (textured black), fill out ■ with E e.g.: PB3E-HT1S99/w

## Head


### Short-handle selector switch

Appearance	With/without light	Color	N series 2-position	Action manner	N series 3-position	Action manner
	0: Without light	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> <span style="color: white;">○</span> <span style="color: black;">●</span>	PB3 ■ -X20S/r △ PB3 ■ -X20S/g △ PB3 ■ -X20S/y △ PB3 ■ -X20S/b △ PB3 ■ -X20S/w △ PB3 ■ -X20S/k △	△ m: positioning type fu: Right reset	PB3 ■ -X30S/r △ PB3 ■ -X30S/g △ PB3 ■ -X30S/y △ PB3 ■ -X30S/b △ PB3 ■ -X30S/w △ PB3 ■ -X30S/k △	△ m: positioning type f: left reset fu: right reset ffu: left-right reset
	1: Transparent with light	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> <span style="color: white;">○</span>	PB3 ■ -X21S/r △ PB3 ■ -X21S/g △ PB3 ■ -X21S/y △ PB3 ■ -X21S/b △ PB3 ■ -X21S/w △	△ m: positioning type fu: Right reset	PB3 ■ -X31S/r △ PB3 ■ -X31S/g △ PB3 ■ -X31S/y △ PB3 ■ -X31S/b △ PB3 ■ -X31S/w △	△ m: positioning type f: left reset fu: right reset ffu: left-right reset

### Long-handle Selector switch

Appearance	With/without light	Color	N series 2-position	Action manner	N series 3-position	Action manner
	0: Without light	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> <span style="color: white;">○</span> <span style="color: black;">●</span>	PB3 ■ -X20L/r △ PB3 ■ -X20L/g △ PB3 ■ -X20L/y △ PB3 ■ -X20L/b △ PB3 ■ -X20L/w △ PB3 ■ -X20L/k △	△ m: Positioning 式 fu: Right reset	PB3 ■ -X30L/r △ PB3 ■ -X30L/g △ PB3 ■ -X30L/y △ PB3 ■ -X30L/b △ PB3 ■ -X30L/w △ PB3 ■ -X30L/k △	△ m: Positioning 式 f: Left reset fu: Right reset ffu: Left-right reset
	1: Transparent with light	<span style="color: red;">●</span> <span style="color: green;">●</span> <span style="color: yellow;">●</span> <span style="color: blue;">●</span> <span style="color: white;">○</span>	PB3 ■ -X21L/r △ PB3 ■ -X21L/g △ PB3 ■ -X21L/y △ PB3 ■ -X21L/b △ PB3 ■ -X21L/w △	△ m: Positioning 式 fu: Right reset	PB3 ■ -X31L/r △ PB3 ■ -X31L/g △ PB3 ■ -X31L/y △ PB3 ■ -X31L/b △ PB3 ■ -X31L/w △	△ m: Positioning 式 f: Left reset fu: Right reset ffu: Left-right reset

### Key switch

Appearance	N series 2-position	Key pull-out position	Action manner	N series 3-position	Key pull-out position	Action manner
	PB3 ■ - Y2/ ○△ PB3 ■ - Y2/ ○△ PB3 ■ - Y2/ ○△ PB3 ■ - Y2/ ○△ PB3 ■ - Y2/ ○△ PB3 ■ - Y2/ ○△	○ L: Left R: Right E: Any	△ m: Positioning 式 fu: Right reset	PB3 ■ - Y3/ ○△ PB3 ■ - Y3/ ○△ PB3 ■ - Y3/ ○△ PB3 ■ - Y3/ ○△ PB3 ■ - Y3/ ○△ PB3 ■ - Y3/ ○△	○ L: Left C: Center R: Right E: Any	△ m: Positioning 式 f: Left reset fu: Right reset ffu: Left-right reset

■ : select N or E series

To select N series (matte silver), fill out ■ with N e.g.: PB3N-Y3/ ○△

To select E series (textured black), fill out ■ with E e.g.: PB3E-Y3/ ○△

# Accessory Head

## Head


### Twin pushbutton

Appearance	Operation type	With/without light	Pushbutton color	N series red-green twin pushbutton	N series black-white twin pushbutton
		0: Without light	RS1: ● ● RS2: ● ○	PB3 ■ -DM0RS1	PB3 ■ -DM0RS2
		0: Without light	FS1: ● ● FS2: ● ○	PB3 ■ -DM0FS1	PB3 ■ -DM0FS2
	M: Momentary type				
		1: Transparent with light	RS1: ● ● RS2: ● ○	PB3 ■ -DM1RS1	PB3 ■ -DM1RS2
		1: Transparent with light	FS1: ● ● FS2: ● ○	PB3 ■ -DM1FS1	PB3 ■ -DM1FS2


■ : select N or E series


To select N series (matte silver), fill out ■ with N e.g.: PB3N-DM0RS1

To select E series (textured black), fill out ■ with E e.g.: PB3E-DM0RS1

Holder	Order code	Material
	PB-F-ZPF	PA+POM

Contact module	Wiring method	Contact type	Order code	Note
	S: Screw wiring	1NO	PB-F-CS10	NO contact
	S: Screw wiring	1NC	PB-F-CS01	NC contact


LED	Order code	Note	Purpose
	PB-F-DS/ ◇◆	◇ Fill in the color ◆ Fill in the voltage class of the lighting component (See P2)	To be mounted at the tail of the pushbutton, used for pushbutton with light


Auxiliary	Order code	Note	Purpose
	PB1-F-C00	Without contact (optional)	To be mounted in the middle of switching component, used for limiting


# Accessory

Fixing	Order code	Material	Purpose
	PB-F-T	PA66	Used for positioning pushbutton and preventing head rotation



Seal	Order code	Material	Purpose
	F1	Silicone	To be mounted at the head of pushbutton, water and dust resistant

Protective	Order code	Material	Purpose
	F2	Silicone	To be mounted at the head of pushbutton, for collision and false operation protection



Panel	Order code	Material	Purpose
	F19	ABS	Used for blocking reversed hole or excessive hole

Socket	Order code	Material	Purpose
	PB-F-S	Aluminum	Used for mounting/dismantling head fastening nut


Protection cover	Order code	Material	Purpose
	F3-1	PC	To be mounted at the head of flat pushbutton, for collision and false operation protection and blocking
	F3-2	PC	To be mounted at the head of short-handle selector switch and key switch, for collision and false operation protection and blocking
	F3-3	PC	To be mounted at the head of $\Phi 40$ mushroom pushbutton, for collision and false operation protection and blocking


Protection ring	Order code	Material	Purpose
	F14a-40 $\Phi 40$	ABS	Used for highlighting alerts and protecting mushroom pushbutton and protecting against collision and false operation
	F14a-60 $\Phi 60$		
	F14b-60 $\Phi 60$	ABS	
	F14b-90 $\Phi 90$		

Warning ring	Order code	Material	Purpose
	F13-60 $\Phi 60$	ABS	Used for E-stop pushbuttons
	F13-90 $\Phi 90$		

E-stop	Order code	Material	Purpose
	PB1-F-PC-a60	ABS	Used for highlighting alerts and protecting E-stop pushbutton and protecting against collision and false operation
	PB1-F-PC-b60	ABS	
	PB1-F-PC-b90		

# Accessory

Nameplate	Order code	Material	Purpose
	F11-10 Writing area 25×10mm  F11-18 Writing area 25×18mm	PC	Hung on pushbutton for symbolic indication or text description

Nameplate	Order code	Material	Purpose
	F12 (square)  F12a (round)	PC	Hung on pushbutton or indicator light for symbolic indication or text description

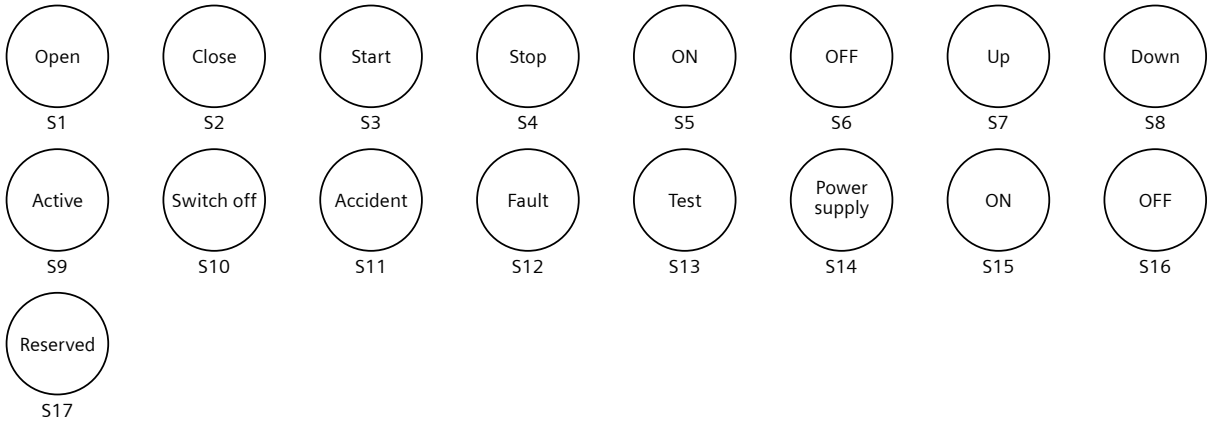
## Selector switch nameplate or nameplate box inscription

<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>Stop</span> <span>Start</span> </div> <p>SX1</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>Open</span> <span>Close</span> </div> <p>SX2</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>Auto</span> <span>Manual</span> </div> <p>SX3</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>OFF</span> <span>ON</span> </div> <p>SX4</p>
<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>OFF</span> <span>ON</span> </div> <p>SX5</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>Check</span> <span>Reset</span> </div> <p>SX6</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>I</span> <span>○</span> </div> <p>SX7</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>○</span> <span>I</span> </div> <p>SX8</p>
<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>I</span> <span>○</span> <span>II</span> </div> <p>SX9</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>II</span> <span>○</span> <span>I</span> </div> <p>SX10</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>1</span> <span>0</span> <span>2</span> </div> <p>SX11</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>2</span> <span>0</span> <span>1</span> </div> <p>SX12</p>
<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>OFF-NO</span> </div> <p>SX13</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>STOP-START</span> </div> <p>SX14</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>HAND-AUTO</span> </div> <p>SX15</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <span>REV-FOR</span> </div> <p>SX16</p>

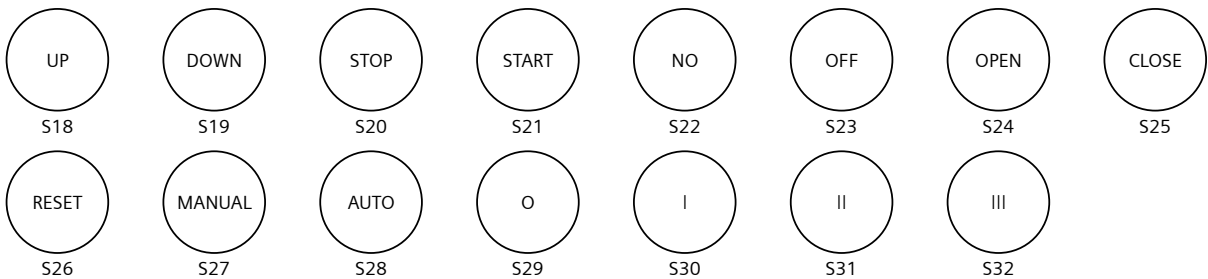
# Inscription Page

## Pushbutton Inscription

### Chinese symbols



### Standard symbols



### ISO symbols

