

## Product overview

### ■ Product features

- The product base is made of PA66 material, and the contact is made of copper-based compound point.
- It can be arranged vertically and densely, with small travel and good comfort.
- Installed with fixed screws behind the plate, fastened reliably. Connected with screws at the tail, so the accumulated error is reduced.
- The terminal block is concealed and has good protection performance



## Technical Parameters

	Button (standard, economical)	Boxed button	Buzzer						
Working temperature	-5°C to + 40°C								
Wiring capability	Screw-in terminals, minimum connection 1 * 0.5 mm <sup>2</sup> , maximum 2 * 1.5 mm <sup>2</sup> or 1 * 2.5 mm <sup>2</sup>								
Rated insulation voltage	660V								
Conventional free heating current	10 A, 6A (Boxed Button)								
Ue	110V	220V	380V						
AC-15	-	3.3A	2A						
DC-13	1.1A	0.5A	-						
Mechanical life	Flat head, mushroom head, with lamp head 1 million times, other 100 thousand times								
Electrical life	Flat head, mushroom head AC 500 thousand times; DC 200 thousand times, and the remaining 50 thousand times								
Production grade	IP40 (IP65 waterproof button)								
Applied standard	IEC60947-5-1 GB/T 14048.5								
Buzzer sounds	-	-	85dB/10cm						
Indicator light									
Rated working voltage Ue	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
Rated working current Ie (mA)	≤20								
Rated insulation voltage Ui (V)	415								
Color	White, green, red, yellow, blue, green, red, yellow, red, blue (customized)								
Working life (H)	≥30000								
Protection Degree	IP54								
Installation level	III								
Applied standard	GB/T14048.5								
Certification	CCC/CE								

## Product Selection

Product name	Variety code	Derivative varieties	Auxiliary code	Operating position	Voltage code	Contacts	Assisted identification
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	B: Standard E: Economical	A: Auto-reset button Z: self-lock flat button F: self-reset waterproof flat button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	Vacancy: without symbol 31:  32:O 33:START 34:STOP 35:↑ 36:∥ 37:↓	/	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	/
	L: high button C: Φ40 mushroom button R: Φ60 mushroom button			/			
	D: Knob J: Handle Knob	/		2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset 7: Three-position left-to-right fixation 8: Three-position right-to-left fixation			
	G: key button			0: Three-position self-lock, three-position pull-out 1: Three-position self-lock, left pull-out 2: Two-position self-lock, left pull-out 3: Three-position self-lock, pulled out in the middle 4: Two-position self-lock, two-position pull-out 5: Two-bit self-reset, left pull out 6: Three-position self-reset, pull out in the middle 7: Three-position left hold right self-reset middle pull out			
	S: Rotary reset type E-stop button T: Tap and pull reset type E-stop button U: key reset type E-stop button	4: Φ30 5: Φ40 6: Φ60		4: Red			
	L8: Double-ended button	3: Double flat head 4: One flat and one high		2: Red + Green		5: 1NO+1NC	
	W8: Illuminated double-ended button			/	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V C: AC/DC 36V E: AC/DC 48V F: AC/DC 110V M: AC/DC 220V Q: AC 380V	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	Vacancy: LED lamp bead K: anti-interference 20V
	W1: Illuminated self-reset high button W3: Illuminated flat button W4: Illuminated self-reset mushroom button W5: Illuminated self-lock mushroom button	/		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue			
	K1: Illuminated knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset					



Product name	Special kind	Lamp head shape	Voltage code	Color of lamp cluster 1	Color of lamp group 2 (two-color lamp)
LAY5sZS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Default: normal indicator light WD: Circuit breaker position indicator light WG: Isolation knife switch position indicator light WN: Grounding position indicator light	Default: Circle F: Square	T: AC/DC 6V J: AC/DC 12V B: AC/DC 24V C: AC/DC 36V E: AC/DC 48V F: AC/DC 110V MZ: AC/DC 220V M: AC 220V Q: AC 380V Note: No AC/DC 6V for two-color lamp	1: White ○ 3: green ● 4: Red ● 5: Yellow ● 6: Blue ●	Default: none (i.e. monochrome light) 3: green ● 4: Red ● 5: Yellow ● 6: Blue ●  Note: Two-color light/position light Only Green Red/Red Yellow/ Customized Red Blue can be selected

Product name	Auxiliary form	Voltage code	Color code
LAY5sFM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1: Intermittent 2: Continuous 3: Intermittent flicker type 4: Continuous long bright type	T:6V J:12V B:24 C:36V E:48V F:110 M:220 Q:380	2: Black 4: Red 5: Yellow

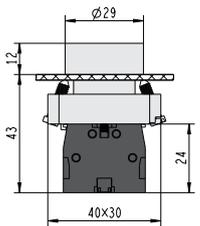
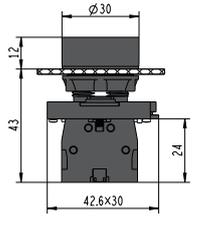
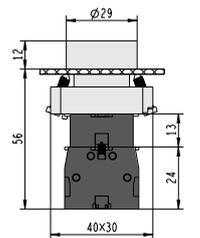
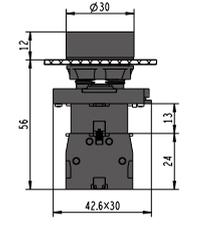
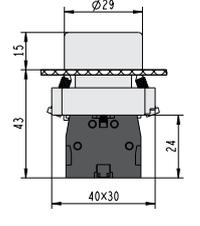
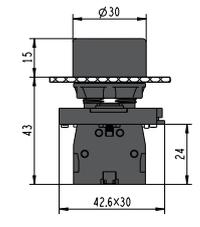


Product name	Variety code	Derivative varieties	Auxiliary code	Operating position	Voltage code	Contacts	Assisted identification
LAY5sHZ	<input type="checkbox"/>	Number of holes	Color code	Category code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	HZ: Boxed button	1: 1 hole 2: 2 holes 3: 3 holes	1: White (general type) 5: yellow (E-stop)	B: Standard E: Economical	Note: select according to the standard button later.	/	/
	BE: only Twist head only	A: Self-reset flat button Z: Self-lock flat button F: Self-lock waterproof flat button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	Vacancy: no sign 31:  32:O 33:START 34:STOP 35:↑ 36:   37:↓	Note: Buy he twist buy alone. The degree of IP55		
		L: High button C: φ40 mushroom button R: φ60 mushroom button		/			
		D: knob J: Handle knob	/	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset 7: Three-position left-to-right fixation 8: Three-position right-to-left fixation			
		G: Key button		0: Three-position self-lock, three-position pull-out 1: Three-position self-lock, left pull-out 2: Two-position self-lock, left pull-out 3: Three-position self-lock, pulled out in the middle 4: Two-position self-lock, two-position pull-out 5: Two-bit self-reset, left pull out 6: Three-position self-reset, pull out in the middle 7: Three-position left hold right self-reset middle pull out			
		S: Rotary reset E-stop button T: Tap and pull reset E-stop button U: Key reset E-stop button	4:φ30 5:φ40 6:φ60	4: Red			
		L8: Double-ended button	3: Double flat head 4: One flat and one high	2: Red + Green			
		W8: Illuminated double-ended button		/			
		W1: Illuminated self-reset high button W3: Illuminated flat button W4: Illuminated self-reset mushroom button W5: Illuminated self-lock mushroom button	/	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue			
		K1: Illuminated knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset				

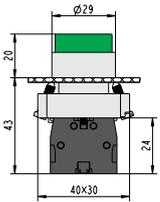
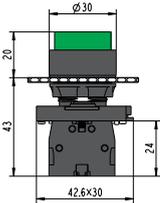


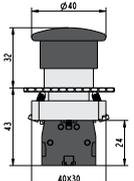
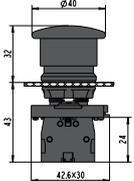
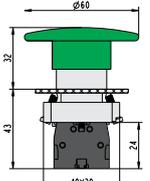
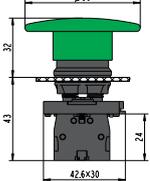
Product name	Variety code	Derivative varieties	Auxiliary code	Operating position	Voltage code	Contacts	Assisted identification
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BE: Attachment (General)	10: Auxiliary contact	/	/	/	1:1NO 2:1NC	/
		20: Contact module with base	/	/	/	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Default: Standard E: Economical
		206: Middle seat	/	/	/	/	
		40: Module of lamp cluster with base	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	/	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	/	Vacancy: LED lamp beads K: anti-interference 20V
		30: Self-lock module	/	/	/		
		50: Flat twist head shield	1: White 2: Black 3: Green				
		60: Integrated sign with square top and round bottom	4: Red 5: Yellow 6: Blue				
		70: Circular Dial	1: Dial on white background 5: Yellow dial 5ES: EMERGENCY with yellow base STOP dial 6: Mushroom head protective cover (full cover) 7: Φ30 reducer ring				
	801: Emergency stop button protective cover (Half cover) 802: panel plug 803: Emergency stop button protective cover (Full cover) 804: Lamp button flat button protective cover	/					

## Flat Button Unit: mm

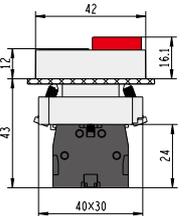
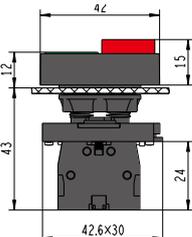
Product name	Varieties and specifications	Derivative specification	Color	Flat button with symbols	Normally open + normally closed	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
	B: Standard type	A: Self-reset flat button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	31: Vertical bar   32: Perfect circle ○ 33: Start START START 34: Stop STOP STOP 35: Arrow ↑ 36: Double Vertical Bars   37: Double arrow ↓	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBA15 LAY5sBA25 LAY5sBA31 LAY5sBA42 LAY5sBA55 LAY5sBA65	
	E: Economical type	A: Self-reset flat button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	31: Vertical bar   32: Perfect circle ○ 33: Start START START 34: Stop STOP STOP 35: Arrow ↑ 36: Double Vertical Bars   37: Double arrow ↓	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sEA15 LAY5sEA25 LAY5sEA31 LAY5sEA42 LAY5sEA55 LAY5sEA65	
	B: Standard type	Z: Self-lock flat button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	31: Vertical bar   32: Perfect circle ○ 33: Start START START 34: Stop STOP STOP 35: Arrow ↑ 36: Double Vertical Bars   37: Double arrow ↓	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBZ15 LAY5sBZ25 LAY5sBZ31 LAY5sBZ42 LAY5sBZ55 LAY5sBZ65	
	E: Economical type	Z: Self-lock flat button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	31: Vertical bar   32: Perfect circle ○ 33: Start START START 34: Stop STOP STOP 35: Arrow ↑ 36: Double Vertical Bars   37: Double arrow ↓	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sEZ15 LAY5sEZ25 LAY5sEZ31 LAY5sEZ42 LAY5sEZ55 LAY5sEZ65	
	B: Standard type	F: Self-reset waterproof button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	31: Vertical bar   32: Perfect circle ○ 33: Start START START 34: Stop STOP STOP 35: Arrow ↑ 36: Double Vertical Bars   37: Double arrow ↓	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBF15 LAY5sBF25 LAY5sBF31 LAY5sBF42 LAY5sBF55 LAY5sBF65	
	E: Economical type	F: Self-reset waterproof button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	31: Vertical bar   32: Perfect circle ○ 33: Start START START 34: Stop STOP STOP 35: Arrow ↑ 36: Double Vertical Bars   37: Double arrow ↓	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sEF15 LAY5sEF25 LAY5sEF31 LAY5sEF42 LAY5sEF55 LAY5sEF65	



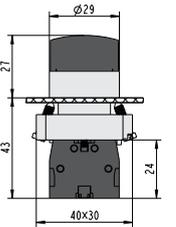
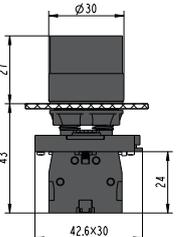
High Button						Unit: mm
Product name	Varieties and specifications	Derivative specification	Color	Normally open + normally closed	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	L: High button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBL15 LAY5sBL25 LAY5sBL31 LAY5sBL42 LAY5sBL55 LAY5sBL65	
	E: Economical type	L: High button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBL15 LAY5sBL25 LAY5sBL31 LAY5sBL42 LAY5sBL55 LAY5sBL65	

Mushroom Button						Unit: mm
Product name	Varieties and specifications	Derivative specification	Color	Normally open + normally closed	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	C: Φ40 mushroom button	2: Black ● 3: Green ● 4: Red ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBC21 LAY5sBC24 LAY5sBC31 LAY5sBC34 LAY5sBC35	
	E: Economical type	C: Φ40 mushroom button	2: Black ● 3: Green ● 4: Red ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sEC21 LAY5sEC24 LAY5sEC31 LAY5sEC34 LAY5sEC35	
	B: Standard type	R: Φ60 mushroom button	2: Black ● 3: Green ● 4: Red ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBR21 LAY5sBR24 LAY5sBR31 LAY5sBR34 LAY5sBR35	
	E: Economical type	R: Φ60 mushroom button	2: Black ● 3: Green ● 4: Red ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sER21 LAY5sER24 LAY5sER31 LAY5sER34 LAY5sER35	

## Double-ended button Unit: mm

Product name	Varieties and specifications	Derivative specification	Button head form	Color code	Contacts	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	L8: Double-ended button	3: Double flat head 4: One flat and one high	2: red + green ● + ●	5:1NO+1NC	LAY5sBL8325 LAY5sBL8425	
	E: Economical type	L8: Double-ended button	3: Double flat head 4: One flat and one high	2: red + green ● + ●	5:1NO+1NC	LAY5sEL8325 LAY5sEL8425	

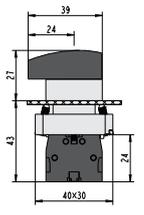
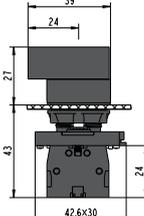
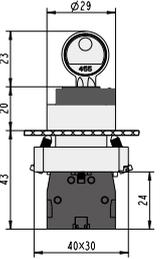
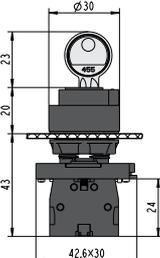
## Knob Unit: mm

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LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	D: Knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBD21 LAY5sBD31 LAY5sBD25 LAY5sBD45	
	E: Economical type	D: knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sED21 LAY5sED31 LAY5sED25 LAY5sED45	

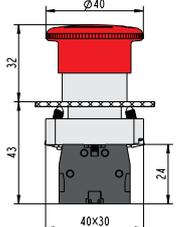
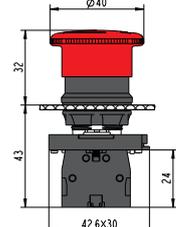
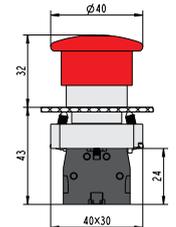
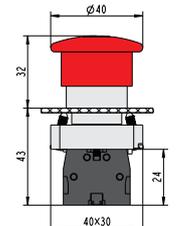
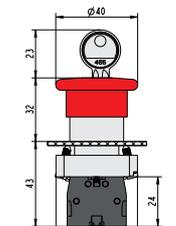
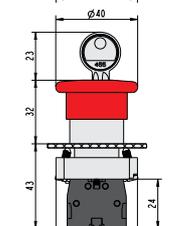


## Knob

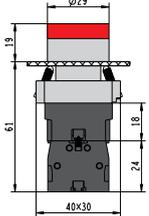
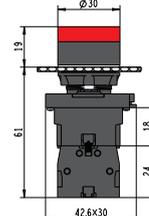
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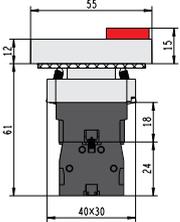
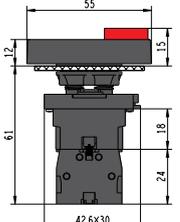
Product name	Varieties and specifications	Derivative specification	Operating position	Contacts	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	J: Handle knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBJ21 LAY5sBJ31 LAY5sBJ25 LAY5sBJ45	
	E: Economical type	J: Handle knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sEJ21 LAY5sEJ31 LAY5sEJ25 LAY5sEJ45	
	B: Standard type	G: Key button	0: Three-position self-lock, three-position pull-out 1: Three-position self-lock, left extraction 2: Two-position self-lock, left extraction 3: Three-position self-lock, middle extraction 4: Two-position self-lock, two-position extraction 5: Two-bit self-reset, left extraction 6: Three-digit self-reset, middle extraction	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBG21 LAY5sBG31 LAY5sBG25 LAY5sBG45	
	E: Economical type	G: Key button	0: Three-position self-lock, three-position pull-out 1: Three-position self-lock, left extraction 2: Two-position self-lock, left extraction 3: Three-position self-lock, middle extraction 4: Two-position self-lock, two-position extraction 5: Two-bit self-reset, left extraction 6: Three-digit self-reset, middle extraction	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sEG21 LAY5sEG31 LAY5sEG25 LAY5sEG45	

## Emergency Stop Button Unit: mm

Product name	Varieties and specifications	Derivative specification	Button head size	Color code	Contacts	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	S: Rotary reset E-stop button	4:Φ30 5:Φ40 6:Φ60	4: Red ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBS442 LAY5sBS445	
	E: Economical type	S: Rotary reset E-stop button	4:Φ30 5:Φ40 6:Φ60	4: Red ●	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5sBS442 LAY5sBS445	
	B: Standard type	T: Tap and pull reset E-stop button	5:Φ40	4: Red ●	2:1NC 5:1NO+1NC	LAY5sBT42 LAY5sBT45	
	E: Economical type	T: Tap and pull reset E-stop button	5:Φ40	4: Red ●	2:1NC 5:1NO+1NC	LAY5sBT42 LAY5sBT45	
	B: Standard type	U: key reset E-stop button	5:Φ40	4: Red ●	2:1NC 5:1NO+1NC	LAY5sBU42 LAY5sBU45	
	E: Economical type	T: Tap and pull reset E-stop button	5:Φ40	4: Red ●	2:1NC 5:1NO+1NC	LAY5sBT42 LAY5sBT45	



Illuminated Pushbutton Switches							Unit: mm
Product name	Varieties and specifications	Derivative specification	Color	Voltage	Contacts	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Standard type	W3: Auto-recover illuminated flat button	1: White ○ 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5SBW31B1 LAY5SBW34B2 LAY5SBW35B3 LAY5SBW33B4 LAY5SBW31B5	
	E: Economical type	W3: Auto-recover illuminated flat button	1: White ○ 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	LAY5SEW31B1 LAY5SEW34B2 LAY5SEW35B3 LAY5SEW33B4 LAY5SEW31B5	

Illuminated Pushbutton Switches							Unit: mm
Product name	Varieties and specifications	Derivative specification	Voltage	Contacts	Order code examples	Size	
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	B: Standard type	W8: Illuminated double-ended button	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	5:1NO+1NC	LAY5sBW84M5 LAY5sBW84F6 LAY5sBW84B7 LAY5sBW84Q8		
	E: Economical type	W8: Illuminated double-ended button	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	5:1NO+1NC	LAY5sEW84M5 LAY5sEW84F6 LAY5sEW84B7 LAY5sEW84Q8		

Illuminated Button

Product name	Variety code	Derivative specification	Color code	Voltage	Contacts	Special requirements	Order code examples
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	B: Standard type	W1: Illuminated self-reset high button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SBW11T1 LAY5SBW12T2 LAY5SBW13T3 LAY5SBW14T4
	E: Economical type	W1: Illuminated self-reset high button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SEW11T1 LAY5SEW12T2 LAY5SEW13T3 LAY5SEW14T4
	B: Standard type	W4: Illuminated self-reset mushroom button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SBW41T1 LAY5SBW42T2 LAY5SBW43T3 LAY5SBW44T4
	E: Economical type	W4: Illuminated self-reset mushroom button	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SEW41T1 LAY5SEW42T2 LAY5SEW43T3 LAY5SEW44T4

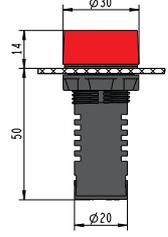


Illuminated button

Product name	Variety code	Derivative specification	Twist head type	Color code	Voltage	Contacts	Special requirements	Order code examples
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	B: Standard type	W5: Illuminated self-lock mushroom button	/	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SBW51T1 LAY5SBW52T2 LAY5SBW53T3 LAY5SBW54T4
	E: Economical type	W5: Illuminated self-lock mushroom button	/	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SEW51T1 LAY5SEW52T2 LAY5SEW53T3 LAY5SEW54T4
	B: Standard type	K1: Illuminated knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-position self-reset 5: Three-position self-reset	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SBK121T1 LAY5SBK122T2 LAY5SBK123T3 LAY5SBK124T4
	E: Economical type	K1: Illuminated knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-position self-reset 5: Three-position self-reset	1: White ○ 2: Black ● 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ● 7: Pure White ● 8: Pure Blue ●	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Vacancy: LDE lamp Beads K: Anti-interference 20V	LAY5SEK121T1 LAY5SBK122T2 LAY5SBK123T3 LAY5SBK124T4

Buzzer

Unit: mm

Product name	Derived code	Auxiliary form	Voltage	Color	Order code examples	Size
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	FM	1: Intermittent 2: Continuous 3: Intermittent flicker type 4: Continuous long shell type	T:6V J:12V B:24V C:36V E:48V F:110V M:220V Q:380V	2: Black ● 4: Red ● 5: Yellow ●	LAY5SFM1F2 LAY5SF2M2 LAY5SFM3F4 LAY5SFM4F5	

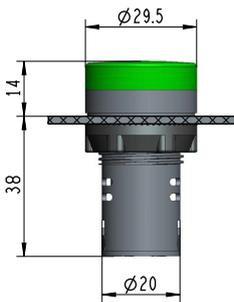
Selection of accessories

Indicator light

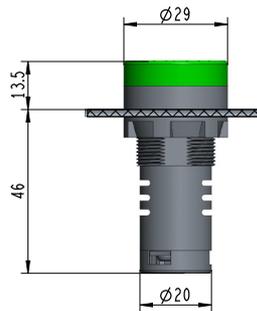
Product name	Derivative code	Special kind	Lamp head shape	Voltage code	Color	Color of lamp group 2 (two-color lamp)	Order code examples
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	ZS	Default: normal indicator light WD: Circuit breaker position indicator light WG: Isolation disconnecting link position indicator light WN: Grounding position indicator light	Default: Circle F: Square	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V MZ:AC/DC 220V M:AC 220V Q:AC 380V Notes: no AC/DC 6V for two-color lamp	1: White ○ 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●	Default: none (i.e. monochrome light) 3: Green ● 4: Red ● 5: Yellow ● 6: Blue ●  Notes: Two-color light/Position light can only select green-red/red-yellow/customized red-blue	LAY5sZST1 LAY5SZSJ34 LAY5SZSWDFB34 LAY5SZSWGFF34

Indicator light

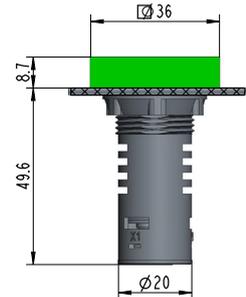
Ruler	Unit: mm
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Outline dimension drawing of common indicator light



Outline dimension drawing of two-color indicator light



Outline dimension drawing of position indicator light

HZ: Boxed button

Product name	Variety code	Number of holes	Color code	Category code	Remark
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BE: Accessories (General)	1: 1 hole 2: 2 holes 3: 3 holes	1: White (general type) 5: yellow (emergency stop)	B: Standard type E: Economical type	Note: select according to the standard button later.





Product name	Variety code	Derivative specification	Contacts	Remark
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BE: Accessories (General)	10: Auxiliary contact	1:1NO 2:1NC	
	BE: Accessories (General)	20: Contact module with base	1:1NO 2:1NC 3:2NO 4:2NC 5:1NO+1NC	Default: standard type E: Economical type
	BE: Accessories (General)	206: Middle base		Default: standard type E: Economical type
	BE: Accessories (General)	30: Self-lock module		
	BE: Accessories (General)	50: Flat twist head shield		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue
	BE: Accessories (General)	60: Integrated sign with square top and round bottom		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue
	BE: Accessories (General)	70: Circular Dial		1: Dial on white base 5: Yellow dial 5ES: EMERGENCY STOP dial on yellow base 6: Mushroom head protective cover (full cover) 7: Φ30 reducer ring
	BE: Accessories (General)	801: Emergency stop button protective cover (half cover) 802: Panel plug 803: Emergency stop button protective cover (full cover) 804: Lamp button Flat button protective cover		

## Lamp-unit module with base



Product name	Variety code	Derivative specification	Color	Voltage	Remark
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BE: Accessories (General)	40: Lamp-unit module with base	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	T:AC/DC 6V J:AC/DC 12V B:AC/DC 24V C:AC/DC 36V E:AC/DC 48V F:AC/DC 110V M:AC/DC 220V Q:AC 380V	Vacancy: LED lamp beads K: Anti-interference 20V

## BE: Twist head only

Product name	Variety code	Derivative specification		
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>		
	BE: Accessories (General)	A: Self-reset flat button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	Vacancy: no symbol 31:  32:O 33:START 34:STOP 35:↑ 36:   37:↓
	BE: Accessories (General)	Z: Self-lock flat button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	Vacancy: no symbol 31:  32:O 33:START 34:STOP 35:↑ 36:   37:↓
	BE: Accessories (General)	F: Self-lock waterproof flat button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	Vacancy: no symbol 31:  32:O 33:START 34:STOP 35:↑ 36:   37:↓
		L: High button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	
	BE: Accessories (General)	C:φ40 mushroom button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	
	BE: Accessories (General)	R:φ60 mushroom button	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	/



## BE: Twist Head Only

Product name	Variety code	Derivative specification		
LAY5s	<input type="checkbox"/>	<input type="checkbox"/>		
	BE: Accessories (General)	D: knob		2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset 7: Three-position left reset and right fixation 8: Three-position right reset and left fixation
	BE: Accessories (General)	J: Handle knob	/	2: Two-position self-lock 3: Three-position self-lock 4: Two-bit self-reset 5: Three-digit self-reset 7: Three-position left reset and right fixation 8: Three-position right reset and left fixation
	BE: Accessories (General)	G: Key button		0: Three-position self-lock, three-position pull-out 1: Three-position self-lock, left pull-out 2: Two-position self-lock, left pull-out 3: Three-position self-lock, pulled out in the middle 4: Two-position self-lock, two-position pull-out 5: Two-bit self-reset, left pull out in the middle 6: Three-position self-reset, pull out in the middle 7: Three-position left hold right self-reset middle pull out
	BE: Accessories (General)	S: Rotary reset E-stop button	4:φ30 5:φ40 6:φ60	4: Red
	BE: Accessories (General)	T: Tap and pull reset E-stop button	4:φ30 5:φ40 6:φ60	4: Red
	BE: Accessories (General)	U: Key reset E-stop button	4:φ30 5:φ40 6:φ60	4: Red
	BE: Accessories (General)	L8: Double-ended button	3: Double flat head 4: One flat and one high	2: Red + Green
	BE: Accessories (General)	W8: Illuminated double-ended button	3: Double flat head 4: One flat and one high	/

BE: Twist head only

Product name	Variety code	Derivative specification		
LAY5s	□	□		



BE: Accessories (General)	W1: Illuminated self-reset high button		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue
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BE: Accessories (General)	W3: Illuminated flat button		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue
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BE: Accessories (General)	W4: Illuminated self-reset mushroom button		1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue
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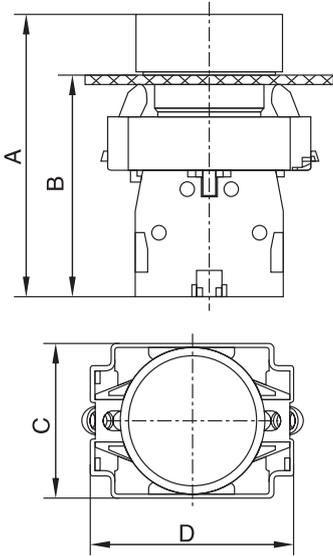
BE: Accessories (General)	W5: Illuminated self-lock mushroom button	/	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue
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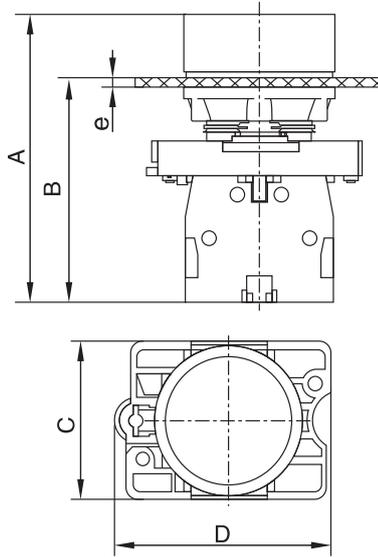
BE: Accessories (General)	K1: Illuminated knob	2: Two-position self-lock 3: Three-position self-lock 4: Two-position self-reset 5: Three-position self-reset	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue
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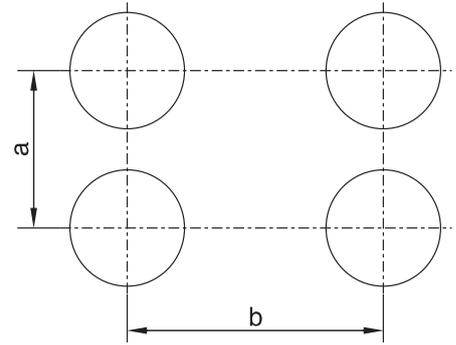
## Outline and Installation Dimensions



Outline drawing of standard button



Outline drawing of economical button



Minimum installation central distance of the button group

## Outline dimension of button and installation central distance of button group dimension

Name	A	B	C	D	a	b
Flat button (standard/economical)	54.5/54	43/43	30/30	40/42.6	30	50
Waterproof button (standard/economical)	58.5/7.5	43/43	30/30	40/42.6	30	50
High button (standard/economical)	62.5/62.5	43/43	30/30	40/42.6	30	50
Self-lock flat button (standard/economical)	67.5/67	55/55	30/30	40/42.6	30	50
Illuminated flat button (standard/economical)	80/80	61/61	30/30	40/42.6	30	50
φ40 mushroom button (standard/economical)	75/75	43/43	40/40	40/42.6	45	50
φ60 mushroom button (standard/economical)	75/75	43/43	60/60	60/60	65	65
Knob (Standard/Economical)	70/70	43/43	30/30	40/42.6	30	50
Handle knob(standard/economical)	70/70	43/43	30/30	44/45	30	50
Key Button (Standard/Economical)	86(63)/86(63)	43/43	30/30	40/42.6	30	50
φ30 rotating emergency stop button (standard/economical)	75/75	43/43	30/30	40/42.6	30	50
φ40 rotary emergency stop button (standard/economical)	75/75	43/43	40/40	40/42.6	45	50
φ60 rotary emergency stop button (standard/economical)	75/75	43/43	60/60	60/60	65	65
Rotary emergency stop button with key (standard/economical)	98(75)/98(75)	43/43	40/40	40/42.6	45	50
Tap and pull emergency stop button (standard)	75	43	40/40	40/42.6	45	50
Double-ended button (standard/economical)	55.5/55.5	43/43	30/30	42.3/42.6	30	50
Double-ended button (one high and one flat, standard/economical)	58/58	43/43	30/30	42.3/42.6	30	50
Illuminated double-ended button (standard/economical)	78/78	61/61	30/30	54.8/55.2	30	50

## Remark

When a group of button switches are installed on the installation plate side by side, the center distance a of the same row of installation holes and the center distance B of each row of installation holes shall not be less than the minimum value of the installation center distance of the button group, and the values of a and B can be interchanged.

## NAVIGATOR

Series