

HLD11 Indicator Light

Standard: IEC 60947-5

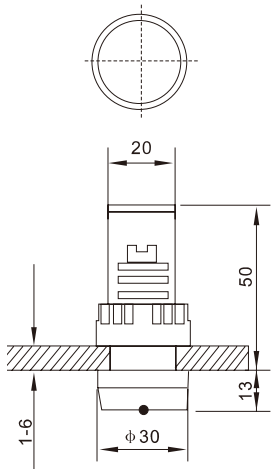
Function

- HLD11 Series of indicator light provide:
- Pilot signal, anticipating signals
 - Emergency signals and other instructions incidents signal use

Technical Data

Rated voltage(V)	AC/DC 6 12 24 36 48 110 220	AC 220 230 380
Rated current(mA)	≤50	≤20
Working life(H)	30000	
Brightness of light(cd/m ²)	≥40	
Power frequency withstand voltage	2500V AC 1min	
Before board protect degree	IP65	

Order Information

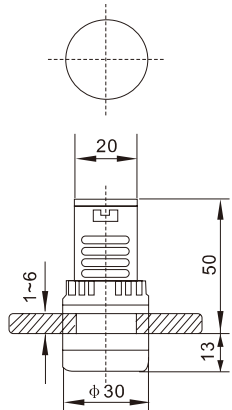
Installation dimension	Type	Step-down Type	Button colour	Rated voltage	Reference	Overall Dimensions	Unit:mm
22: $\varnothing$ 22	A: Full cover head & long terminal 2: Resistance type 4: Capacitance type		○	AC/DC 6V	HLD1122A21T7		
			●		HLD1122A21T3		
			●		HLD1122A21T4		
			●		HLD1122A21T5		
			●		HLD1122A21T8		
			○	AC/DC 12V	HLD1122A21J7		
			●		HLD1122A21J3		
			●		HLD1122A21J4		
			●		HLD1122A21J5		
			●		HLD1122A21J8		
			○	AC/DC 24V	HLD1122A21B7		
			●		HLD1122A21B3		
			●		HLD1122A21B4		
			●		HLD1122A21B5		
			●		HLD1122A21B8		
			○	AC/DC 110V	HLD1122A21F7		
			●		HLD1122A21F3		
			●		HLD1122A21F4		
			●		HLD1122A21F5		
			●		HLD1122A21F8		
			○	AC/DC 220V	HLD1122A21M7		
			●		HLD1122A21M3		
			●		HLD1122A21M4		
			●		HLD1122A21M5		
			●		HLD1122A21M8		
			○	AC 230V	HLD1122A41N7		
			●		HLD1122A41N3		
			●		HLD1122A41N4		
			●		HLD1122A41N5		
			●		HLD1122A41N8		



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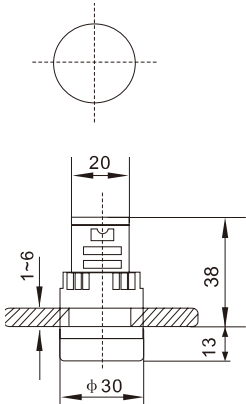
Order Information

Installation dimension	Type	Step-down Type	Button colour	Rated voltage	Reference	Overall Dimensions	Unit:mm
	B: Half cover head&long terminal	2: Resistance type 4: Capacitance type	○	AC 380V	HLD1122A41Q7		
			●		HLD1122A41Q3		
			●		HLD1122A41Q4		
			●		HLD1122A41Q5		
			●		HLD1122A41Q8		
			○	AC.DC 6V	HLD1122B21T7		
			●		HLD1122B21T3		
			●		HLD1122B21T4		
			●		HLD1122B21T5		
			●		HLD1122B21T8		
			○	AC.DC 12V	HLD1122B21J7		
			●		HLD1122B21J3		
			●		HLD1122B21J4		
			●		HLD1122B21J5		
			●		HLD1122B21J8		
			○	AC.DC 24V	HLD1122B21B7		
			●		HLD1122B21B3		
			●		HLD1122B21B4		
			●		HLD1122B21B5		
			●		HLD1122B21B8		
			○	AC.DC 110V	HLD1122B21F7		
			●		HLD1122B21F3		
			●		HLD1122B21F4		
			●		HLD1122B21F5		
			●		HLD1122B21F8		
			○	AC.DC 220V	HLD1122B21M7		
			●		HLD1122B21M3		
			●		HLD1122B21M4		
			●		HLD1122B21M5		
			●		HLD1122B21M8		
			○	AC 230V	HLD1122B41N7		
			●		HLD1122B41N3		
			●		HLD1122B41N4		
			●		HLD1122B41N5		
			●		HLD1122B41N8		
			○	AC 380V	HLD1122B41Q7		
			●		HLD1122B41Q3		
			●		HLD1122B41Q4		
			●		HLD1122B41Q5		
			●		HLD1122B41Q8		

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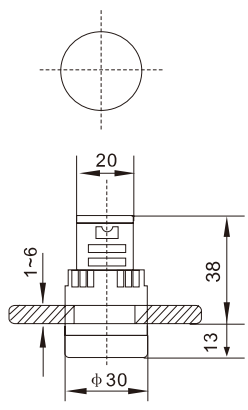
Installation dimension	Type	Step-down Type	Button colour	Rated voltage	Reference	Overall Dimensions	Unit:mm
22: $\varnothing$ 22	C: Full cover 2: Resistance head & short type terminal 4: Capacitance type		○	AC.DC 6V	HLD1122C21T7		
			●		HLD1122C21T3		
			●		HLD1122C21T4		
			●		HLD1122C21T5		
			●		HLD1122C21T8		
			○	AC.DC 12V	HLD1122C21J7		
			●		HLD1122C21J3		
			●		HLD1122C21J4		
			●		HLD1122C21J5		
			●		HLD1122C21J8		
			○	AC.DC 24V	HLD1122C21B7		
			●		HLD1122C21B3		
			●		HLD1122C21B4		
			●		HLD1122C21B5		
			●		HLD1122C21B8		
			○	AC 220V	HLD1122C41M7		
			●		HLD1122C41M3		
			●		HLD1122C41M4		
			●		HLD1122C41M5		
			●		HLD1122C41M8		
			○	AC 230V	HLD1122C41N7		
			●		HLD1122C41N3		
			●		HLD1122C41N4		
			●		HLD1122C41N5		
			●		HLD1122C41N8		
			○	AC 380V	HLD1122C41Q7		
			●		HLD1122C41Q3		
			●		HLD1122C41Q4		
			●		HLD1122C41Q5		
			●		HLD1122C41Q8		



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Installation dimension	Type	Step-down Type	Button colour	Rated voltage	Reference	Overall Dimensions	Unit:mm
	D: Half cover head&short terminal	2: Resistance type 4: Capacitance type	○	AC.DC 6V	HLD1122D21T7		
			●		HLD1122D21T3		
			●		HLD1122D21T4		
			●		HLD1122D21T5		
			●		HLD1122D21T8		
			○	AC.DC 12V	HLD1122D21J7		
			●		HLD1122D21J3		
			●		HLD1122D21J4		
			●		HLD1122D21J5		
			●		HLD1122D21J8		
			○	AC.DC 24V	HLD1122D21B7		
			●		HLD1122D21B3		
			●		HLD1122D21B4		
			●		HLD1122D21B5		
			●		HLD1122D21B8		
			○	AC 220V	HLD1122D41M7		
			●		HLD1122D41M3		
			●		HLD1122D41M4		
			●		HLD1122D41M5		
			●		HLD1122D41M8		
			○	AC 230V	HLD1122D41N7		
			●		HLD1122D41N3		
			●		HLD1122D41N4		
			●		HLD1122D41N5		
			●		HLD1122D41N8		
			○	AC 380V	HLD1122D41Q7		
			●		HLD1122D41Q3		
			●		HLD1122D41Q4		
			●		HLD1122D41Q5		
			●		HLD1122D41Q8		

HLAY5 Pushbutton Switches

Standard: IEC 60947-5

Function

HLAY5 series of pushbutton switches provide:
☐ Control and indicate the status of the circuit

Technical Data



Usage mode		Rated valve					
AC-15	Rated voltage (Ue) V	380			220		
	Rated current (Ie) A	2			3.3		
DC-13	Rated voltage (Ue) V	220			110		
	Rated current (Ie) A	0.5			1.1		
Mechanical endurance	105	30 (Flush type), 10 (Illuminated)					
		1 (Emergency stop, Selective-type, Key-tpye)					
Electric endurance	105	AC6(Flush type) DC3(Illuminated)					
		1 (Emergency stop, Selective-type, Key-tpye)					
Rated thermal current (Ith) A		6					
Before board protect degree		IP55					
Illuminated pushbutton							
Power supplier voltage	V	6	12	24	110	220	380
LED		✓	✓	✓	✓	✓	—
Neon lamp		—	—	—	✓	✓	✓
Filament lamp		✓	✓	✓	—	—	—

Working Condition

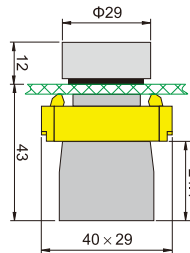
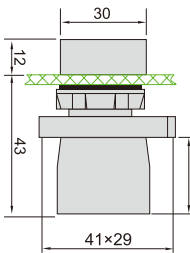


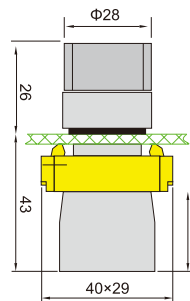
Temperature	-5℃~+40℃,
Ralative humidity	≤ 50%(40℃) 90%(20℃)
Above sea level	≤ 2000m
Pollution grade	3

HLAY5 Pushbutton Switches

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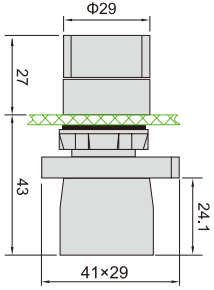
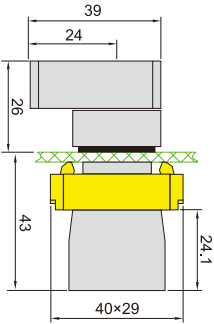
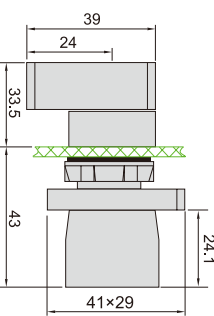
Flush Button						Unit: MM
Name	Material	Type	Color	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐		
	B Metal	A Momentary	1 White 2 Black 3 Green 4 Red 5 Yellow 6 Blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	○ HLAY5BA15 ● HLAY5BA25 ● HLAY5BA31 ● HLAY5BA42 ● HLAY5BA55 ● HLAY5BA65	
	E Plastic	A Momentary	1 White 2 Black 3 Green 4 Red 5 Yellow 6 Blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	○ HLAY5EA15 ● HLAY5EA25 ● HLAY5EA31 ● HLAY5EA42 ● HLAY5EA55 ● HLAY5EA65	

Selective Button Switch						Unit: MM
Name	Material	Type	Operation	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐		
	B Metal	D Selective button with short handle	2:2p 3:3p 4:2p 5:3p	C R L C R C R L C R	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5BD21 HLAY5BD25 HLAY5BD33 HLAY5BD45 HLAY5BD53
						

HLAY5 Pushbutton Switches

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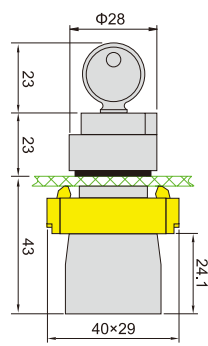
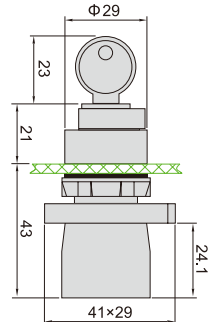
Order Information

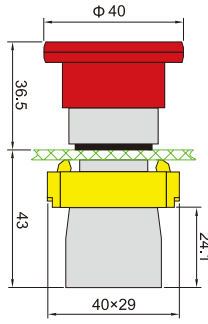
Selective Switches						Unit: MM
Name	Material	Type	Operation	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐		
	E: Plastic	D: Selective switch with short handle	2:2p C R 3:3p L C R 4:2p reset C R 5:3p reset L C R	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5ED21 HLAY5ED25 HLAY5ED33 HLAY5ED45 HLAY5ED55	
	B: Metal	J: Selective switch with long handle	2:2p C R 3:3p L C R 4:2p reset C R 5:3p reset L C R	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5BJ21 HLAY5BJ25 HLAY5BJ33 HLAY5BJ45 HLAY5BJ55	
	E: Plastic	J: Selective switch with long handle	2:2p C R 3:3p L C R 4:2p reset C R 5:3p reset L C R	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5EJ21 HLAY5EJ25 HLAY5EJ33 HLAY5EJ45 HLAY5EJ55	

HLAY5 Pushbutton Switches

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Order Information

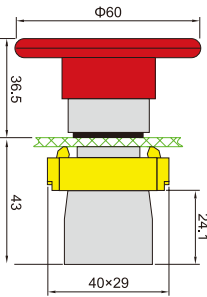
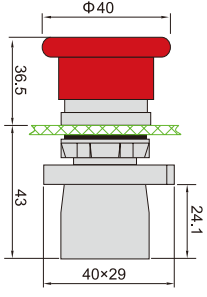
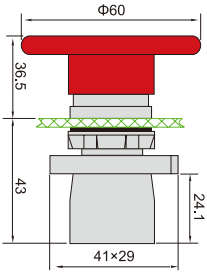
Key-operated Selective Switches						Unit: MM	
Name	Material	Type	Operation	NO + NC	Reference	Dimension	
HLAY5	☐	☐	☐	☐			
	B: Metal	G: Key-operated selective switches	2:2p 3:3p 4:2p reset 5:3p reset	C R L C R C R L C R	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5BG21 HLAY5BG25 HLAY5BG33 HLAY5BG45 HLAY5BG55	
	E: Plastic	G: Key-operated selective switches	2:2p 3:3p 4:2p reset 5:3p reset	C R L C R C R L C R	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5EG21 HLAY5EG25 HLAY5EG33 HLAY5EG45 HLAY5EG55	

Mushroom Button						Unit: MM
Name	Material	Type	Color	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐		
	B: Metal	C: φ 40 Mushroom	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5BC31 ● HLAY5BC42 ● HLAY5BC35 ● HLAY5BC45	

HLAY5 Pushbutton Switches

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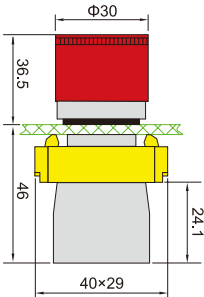
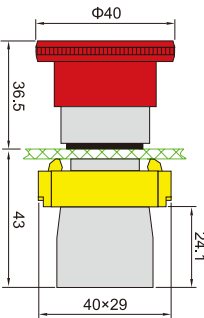
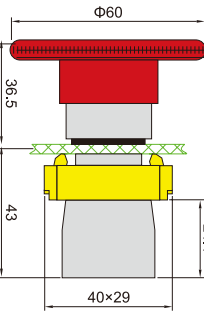
Order Information

Mushroom Button					Unit: MM	
Name	Material	Type	Color	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐		
	B Metal	R: 60 Mushroom	3 Green 4 Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5BR31 ● HLAY5BR42 ● HLAY5BR35 ● HLAY5BR45	
	E Plastic	C: 40 Mushroom	3 Green 4 Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5EC31 ● HLAY5EC42 ● HLAY5EC35 ● HLAY5EC45	
	E Plastic	R: 60 Mushroom	3 Green 4 Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5ER31 ● HLAY5ER42 ● HLAY5ER35 ● HLAY5ER45	

HLAY5 Pushbutton Switches

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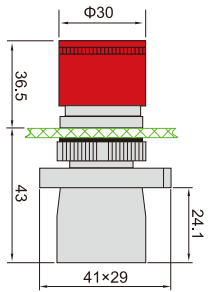
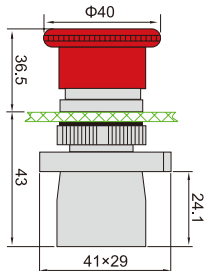
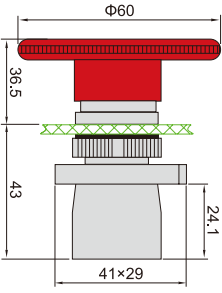
Order Information

Emergency Stop Button						Unit: MM	
Name	Material	Type	Head	Color	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐	☐		
	B: Metal	S: Emergency	4: $\Phi 30$	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5BS431 ● HLAY5BS442 ● HLAY5BS435 ● HLAY5BS445	
	B: Metal	S: Emergency	5: $\Phi 40$	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5BS531 ● HLAY5BS542 ● HLAY5BS535 ● HLAY5BS545	
	B: Metal	S: Emergency	6: $\Phi 60$	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5BS631 ● HLAY5BS642 ● HLAY5BS635 ● HLAY5BS645	

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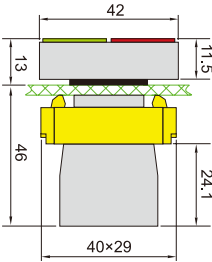
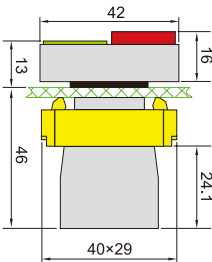
Order Information

Emergency Stop Button						Unit: MM	
Name	Material	Type	Head	Color	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐	☐		
	E: Plastic	S: Emergency	4: Φ 30	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5ES431 ● HLAY5ES442 ● HLAY5ES435 ● HLAY5ES445	
	E: Plastic	S: Emergency	5: Φ 40	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5ES531 ● HLAY5ES542 ● HLAY5ES535 ● HLAY5ES545	
	E: Plastic	S: Emergency	6: Φ 60	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	● HLAY5ES631 ● HLAY5ES642 ● HLAY5ES635 ● HLAY5ES645	

HLAY5 Pushbutton Switches

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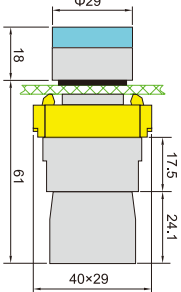
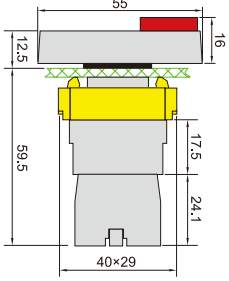
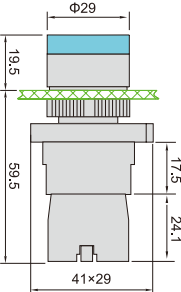
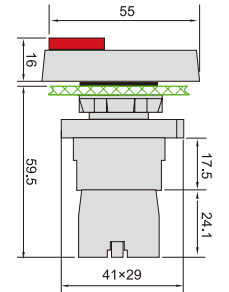
Order Information

Two-head Button						Unit: MM	
Name	Material	Type	Head	No.of head	NO + NC	Reference	Dimension
HLAY5	☐	☐	☐	☐	☐		
	B: Metal	L8: Two-head	3: Flush button	2: 2	5: 1NO+1NC	HLAY5BL8325	
	B: Metal	L8: Two-head	4: One high, one low	2: 2	5: 1NO+1NC	HLAY5BL8425	

HLAY5 Pushbutton Switches

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Order Information

Illuminated Pushbutton Switches							Unit: MM	
Name	Material	Type	Color	Voltage	NO + NC	Light	Reference	Dimension
HLAY5	☐	☐	☐	☒	☐	☒		
	B: Metal	W3: Flush	1: White	T:6V	1: 1NO	N: Neon	○ HLAY5BW31*5*	
			3: Green	B:24V	2: 1NC	L: LED	● HLAY5BW33*1*	
			4: Red	F:110V	3: 2NO	Blank:	● HLAY5BW34*2*	
			5: Yellow	M:220V	4: 2NC	Filament	● HLAY5BW35*5*	
			6: Blue	Q:380V	5: 1NO+1NC		● HLAY5BW36*5*	
			7: Pure white				● HLAY5BW37*5*	
			8: Pure blue				● HLAY5BW38*5*	
	B: Metal	W8: Two head	4: One high one low	T:6V	5: 1NO+1NC	N: Neon	HLAY5BW84*5*	
				B:24V		L: LED		
				F:110V		Blank:		
				M:220V		Filament		
	E: Plastic	W3: Flush	1: White	T:6V	1: 1NO	N: Neon	○ HLAY5EW31*5*	
			3: Green	B:24V	2: 1NC	L: LED	● HLAY5EW33*1*	
			4: Red	F:110V	3: 2NO	Blank:	● HLAY5EW34*2*	
			5: Yellow	M:220V	4: 2NC	Filament	● HLAY5EW35*5*	
			6: Blue	Q:380V	5: 1NO+1NC		● HLAY5EW36*5*	
			7: Pure white				● HLAY5EW37*5*	
			8: Pure blue				● HLAY5EW38*5*	
	E: Plastic	W8: Two head	4: One high one low	T:6V	5: 1NO+1NC	N: Neon	HLAY5EW84*5*	
				B:24V		L: LED		
				F:110V		Blank:		
				M:220V		Filament		
				Q:380V				

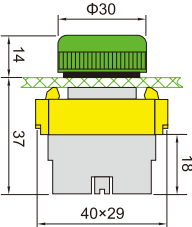
Note: Supplier voltage code: T:6V, B:24V, F:110V, M:220V, N:230V, Q:380V

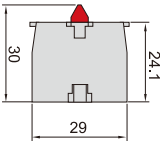
The pure white and pure blue are only available for LED lamp.

HLAY5 Pushbutton Switches

Standard: IEC 60947-5

Order Information

Indication Lamp						Unit: MM	
Name	Material	Type	Voltage	Color	Light	Reference	Dimension
HLAY5	☐	☐	☒	☐	☒		
	B: Metal	V: Indication	T:6V	1: White	N: Neon	○ HLAY5BV*1*	
			B:24V	3: Green	L: LED	● HLAY5BV*3*	
			F:110V	4: Red	Blank:	● HLAY5BV*4*	
			M:220V	5: Yellow	Filament	● HLAY5BV*5*	
			Q:380V	6: Blue		● HLAY5BV*6*	
				7: Pure white		○ HLAY5BV*7*	
				8: Pure blue		● HLAY5BV*8*	

Base					
Name	Type	Contact		Reference	Dimension
HLAY5	☐	☐			
	BE: Auxiliary contact			HLAY5BE101	
				HLAY5BE102	
				HLAY5BE103	
				HLAY5BE104	
				HLAY5BE105	

Note: Supplier voltage code: T:6V, B:24V, F:110V, M:220V, N:230V, Q:380V

The pure white and pure blue are only available for LED lamp .

HLAY7 Pushbutton Switches

Standard: IEC 60947-5

Function

HLAY7 series of pushbutton switches provide:
□ Control and indicate the status of the circuit

Technical Data



Usage mode		Rated value		
AC-15	Rated voltage (Ue) V	660	380	220
	Rated current (Ie) A	1.1	2	3.3
DC-13	Rated voltage (Ue) V	440	220	110
	Rated current (Ie) A	0.25	0.5	1
Mechanical endurance 10 ⁵		30 (Flush type), 10 (Illuminated) 0.5 (Emergency stop, Selective-type, Key-tpye		
Electric endurance 10 ⁵		6 (Flush type), 1 (Illuminated) 0.5 (Emergency stop, Selective-type, Key-tpye		
Rated thermal current th A		10		
Operation frequency T/h		1200		
Contact resistance m Ω		≤ 50		
Before board protect degree		IP55		
Illuminated pushbutton				
Power supplier voltage		Filament lamp	Neon lamp	LED
Working voltage (Ue)V		6, 12, 24	110, 220, 380	6, 12, 24
Lifetime h		≥ 1000	≥ 2000	≥ 3000

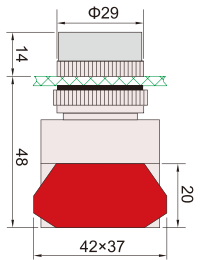
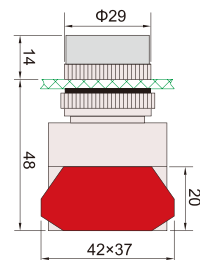
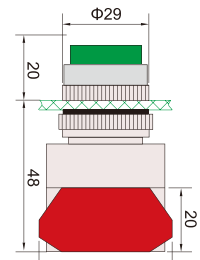
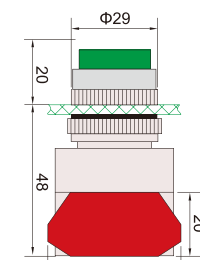
Working Condition

Temperature	-5℃~+40℃		
Relative humidity	≤ 50%(40℃) 90%(20℃)		
Above sea level	≤ 2000m		
Pollution grade	3		

HLAY7 Pushbutton Switches

Standard: IEC 60947-5

Order Information

Flush Button					Unit: MM	
Name	NO + NC	Type	Color	Installation	Reference	Dimension
HLAY7	☐	☐	☐	☐		
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	BN: Momentary	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	2: Φ 22 3: Φ 25 4: Φ 30	○ HLAY711BN12 ● HLAY711BN22 ● HLAY711BN32 ● HLAY711BN42 ● HLAY711BN52 ● HLAY711BN62	
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	BNZS: Maintained	3: Green 4: Red	2: Φ 22 3: Φ 25 4: Φ 30	● HLAY711BNZS32 ● HLAY711BNZS42	
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	GN: Momentary	3: Green 4: Red	2: Φ 22 3: Φ 25 4: Φ 30	● HLAY711GN32 ● HLAY711GN42	
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	GNZS: Maintained	3: Green 4: Red	2: Φ 22 3: Φ 25 4: Φ 30	● HLAY711GNZS32 ● HLAY711GNZS42	

HLAY7 Pushbutton Switches

Standard: IEC 60947-5

Order Information

Flush Button				
Name	NO + NC	Type	Color	Installation
HLAY7	☐	☐	☐	☐



10: 1NO	JN: Full protection	3: Green	2: Φ 22
01: 1NC		4: Red	3: Φ 25
20: 2NO			4: Φ 30
02: 2NC			
11: 1NO+1NC			

Unit: MM	
Reference	Dimension
● HLAY711JN32 ● HLAY711JN42	

Selective Switches					
Name	NO + NC	Type	Operation	Color	Installation
HLAY7	☐	☐	☐	☐	☐



10: 1NO	X: Selective	20: 2p	C R	2: Black	2: Φ 22
01: 1NC	button with			3: Green	3: Φ 25
20: 2NO	short handle	21: 2p reset	C R	4: Red	4: Φ 30
02: 2NC					
11: 1NO+1NC		30: 3p	L C R		
		31: 3p reset	L C R		
		33: 3p reset	L C R		

Unit: MM	
Reference	Dimension
● HLAY711X2022 ● HLAY711X2132 ● HLAY711X3042 ● HLAY711X3122 ● HLAY720X3022	



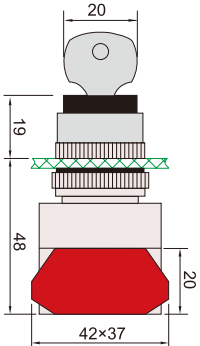
10: 1NO	XB: Selective	20: 2p	C R	2: Black	2: Φ 22
01: 1NC	button with			3: Green	3: Φ 25
20: 2NO	long handle	21: 2p reset	C R	4: Red	4: Φ 30
02: 2NC					
11: 1NO+1NC		30: 3p	L C R		
		31: 3p reset	L C R		
		33: 3p reset	L C R		

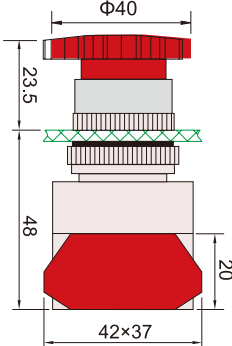
Unit: MM	
Reference	Dimension
● HLAY711XB2022 ● HLAY711XB2132 ● HLAY711XB3042 ● HLAY720XB3022 ● HLAY720XB3322	

HLAY7 Pushbutton Switches

Standard: IEC 60947-5

Order Information

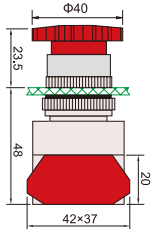
Key-operated Selective Switches					Unit: MM	
Name	NO + NC	Type	Operation	Installation	Reference	Dimension
HLAY7	☐	☐	☐	☐		
	10: 1NO	Y: Key-operated	20:2p	C R	2: Ø 22	
	01: 1NC			✓	3: Ø 25	
	20: 2NO		21:2preset	C R	4: Ø 30	
	02: 2NC			✓		
	11: 1NO+1NC		30:3p	L C R		
				✓		
			31:3preset	L C R		
				✓		
			33:3preset	L C R		
					HLAY711Y202	
					HLAY711Y212	
					HLAY711Y302	
					HLAY711Y312	
					HLAY720Y332	

Mushroom Button					Unit: MM	
Name	NO + NC	Type	Color	Installation	Reference	Dimension
HLAY7	☐	☐	☐	☐		
	10: 1NO	M: Momentary	3: Green	2: Ø 22	●HLAY711M32	
	01: 1NC		4: Red	3: Ø 25	●HLAY711M42	
	20: 2NO			4: Ø 30		
	02: 2NC					
	11: 1NO+1NC					
	10: 1NO	MZS: Maintained	3: Green	2: Ø 22	●HLAY711MZS32	
	01: 1NC		4: Red	3: Ø 25	●HLAY711MZS42	
	20: 2NO			4: Ø 30		
	02: 2NC					
	11: 1NO+1NC					

HLAY7 Pushbutton Switches

Standard: IEC 60947-5

Order Information

Emergency Stop Button						Unit: M
Name	NO + NC	Type	Color	Installation	Reference	Dimension
HLAY7	☐	☐	☐	☐		
	10: 1NO 01: NC 20: 2NC 02: 2NC 11: 1NO+1NC	ZS:Emergency	3: Green 4: Red	2: $\Phi 22$ 3: $\Phi 25$ 4: $\Phi 30$	- HLAY710ZS32 - HLAY701ZS42 - HLAY711ZS32 - HLAY711ZS42	

Illuminated Pushbutton Switches							Unit: M	
Name	NO + NC	Type	Color	Voltage	Installation	Light	Reference	Dimension
HLAY7	☐	☐	☐	☒	☐	☒		
	10: 1NO 01: NC 20: 2NC 02: 2NC 11: 1NO+1NC	D: Momentary (Illuminated)	3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Φ22 3: Φ25 4: Φ30	N: Neon L: LED Blank: Filament		
	10: 1NO 01: NC 20: 2NC 02: 2NC 11: 1NO+1NC	DZS: Maintained (Illuminated)	3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Φ22 3: Φ25 4: Φ30	N: Neon L: LED Blank: Filament		
	10: 1NO 01: NC 20: 2NC 02: 2NC 11: 1NO+1NC	DM: Momentary (Illuminated)	3: Green 4: Red	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Φ22 3: Φ25 4: Φ30	N: Neon L: LED Blank: Filament		
	10: 1NO 01: NC 20: 2NC 02: 2NC 11: 1NO+1NC	DMZS: Maintained (Illuminated)	3: Green 4: Red	T: 6V B: 24V F: 110V M: 220V Q: 380V	2: Φ22 3: Φ25 4: Φ30	N: Neon L: LED Blank: Filament		

</

Note: Supplier voltage code: T:6V, B:24V, F:110V, M:220V, N:230V, Q:380V

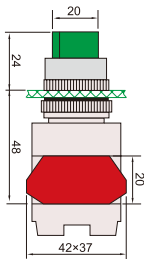
The pure white and pure blue are only available for LED lamp.

HLAY7 Pushbutton Switches

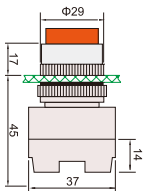
Standard: IEC 60947-5

Order Information

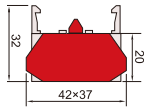
Illuminated Selective Switches								
Name	NO + NC	Type	Operation	Color	Voltage	Install	Light	
HLAY7	☐	☐	☐	☐	☒	☐	☒	
	10: 1NO	XD: Selective (Illuminated)	20:2p	C R	3.Green	T: 6V	2: φ 22	N: Neon
	01: 1NC			✓	4.Red	B: 24V	3: φ 25	L: LED
	20: 2NO	30:3p L C R	✓	✓		F: 110V	4: φ 30	Blank:
	02: 2NC					M:220V		Filament
	11: 1NO+1NC					Q: 380V		

Unit: MM	
Reference	Dimension
● HLAY711XD203*2* ● HLAY711XD204*2* ● HLAY711XD303*2* ● HLAY711XD304*2*	

Indication Lamp				
Name	Type	Color	Voltage	Install
HLAY7	☐	☐	☒	☐
	XD1: Filament	1: White	T: 6V	2: ϕ 22
		3: Green	B: 24V	
	XD2: Neon	4: Red	F: 110V	
		5: Yellow	M:220V	
	XD3: LED	6: Blue	Q: 380V	
		7: Pure white		
		8: Pure blue		

Unit: MM	
Reference	Dimension
○ HLAY7XD11*2 ● HLAY7XD23*2 ● HLAY7XD34*2 ● HLAY7XD15*2 ● HLAY7XD26*2 ○ HLAY7XD37*2 ● HLAY7XD38*2	

Base		
Name	Type	Contact
HLAY7	☐	☐
	BE: Auxiliary contact	101: 1NO
		102: 1NC
		103: 2NO
		104: 2NC
		105: 1NO+1NC

Unit: MM	
Reference	Dimension
- HLAY7BE101 - HLAY7BE102 - HLAY7BE103 - HLAY7BE104 - HLAY7BE105	

Note: Supplier voltage code: T:6V, B:24V, F:110V, M:220V, N:230V, Q:380V

The pure white and pure blue are only available for LED lamp.

HLAY8 Pushbutton Switches

Standard: IEC 60947-5

Function

HLAY8 series of pushbutton switches provide:

- Control and indicate the status of the circuit



Technical Data

Usage mode		Rated value							
AC-15	Rated voltage (Ue) V	660	380	220					
	Rated current (Ie) A	1.5	2.5	4.5					
DC-13	Rated voltage (Ue) V	440	220	110					
	Rated current (Ie) A	0.2	0.4	0.8					
Mechanical endurance 105		30 Flush type 3 Selective , 0.5 Emergency stop, Key-type							
Electric endurance 105		6(Flush type) 1(Illuminated) , 0.5 Emergency stop, Key-type							
Rated thermal current(Ith)A		10							
Contact resistance mΩ		≤ 50							
Before board protect degree		IP55							
Illuminated pushbutton									
Rated working voltage(Ue)V		6	12	24	36	48	110	220	230 380
Power supply		AC,DC							AC
Rated working current (Ie)mA		≤ 50							≤ 20

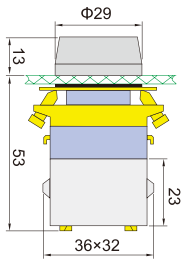
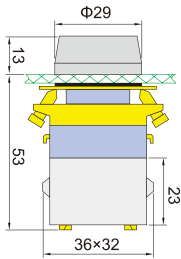
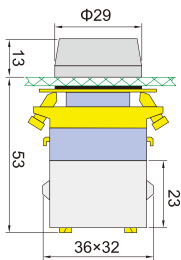
Working Condition

Temperature	-5℃~+40℃
Relative humidity	≤ 50%(40℃) 90%(20℃)
Above sea level	≤ 2000m
Pollution grade	3

HLAY8 Pushbutton Switches

Standard: IEC 60947-5

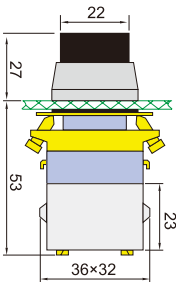
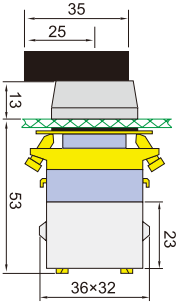
Order Information

Flush Button				Unit: MM	
Name	NO + NC	Type	Color	Reference	Dimension
HLAY8	☐	☐	☐		
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	BN: Momentary	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	○ HLAY811BN1 ● HLAY811BN2 ● HLAY811BN3 ● HLAY811BN4 ● HLAY811BN5 ● HLAY811BN6	
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	BNZS: Maintained	3: Green 4: Red 5: Yellow	● HLAY811BNZS3 ● HLAY811BNZS4 ● HLAY811BNZS5	
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	S: Waterproof	3: Green 4: Red 5: Yellow	● HLAY811S3 ● HLAY811S4 ● HLAY811S5	

HLAY8 Pushbutton Switches

Standard: IEC 60947-5

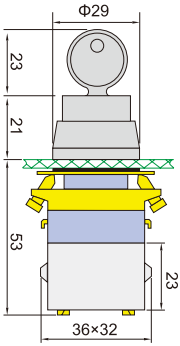
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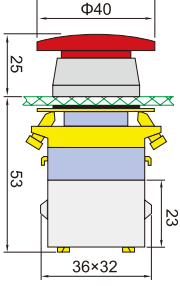
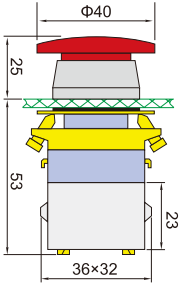
Selective Switches					Unit: MM	
Name	NO + NC	Type	Operation	Color	Reference	Dimension
HLAY8	☐	☐	☐	☐		
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	X: Selective button with short handle	20:2p C R 21:2p reset C R 30:3p L C R 31:3p reset L C R 33:3p reset L C R	2: Black 3: Green 4: Red	● HLAY811X202 ● HLAY811X213 ● HLAY811X304 ● HLAY811X312 ● HLAY820X332	
	10: 1NO 01: 1NC 20: 2NO 02: 2NC 11: 1NO+1NC	XB: Selective button with long handle	20:2p C R 21:2p reset C R 30:3p L C R 31:3p reset L C R 33:3p reset L C R	2: Black 3: Green 4: Red	● HLAY811XB202 ● HLAY811XB213 ● HLAY811XB304 ● HLAY811XB312 ● HLAY820XB332	

HLAY8 Pushbutton Switches

Standard: IEC 60947-5

Order Information

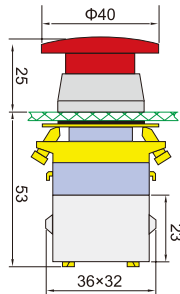
Key-operated Selective Switch				Unit: MM	
Name	NO + NC	Type	Operation	Reference	Dimension
HLAY8	☐	☐	☐		
	10: 1NO	Y: Key-operated	20:2p	HLAY811Y20 HLAY811Y21 HLAY820Y30 HLAY811Y31 HLAY811Y33	
	01: 1NC				
	20: 2NO		21:2p reset		
	02: 2NC				
	11: 1NO+1NC		30:3p		
			31:3p reset		
			33:3p reset		

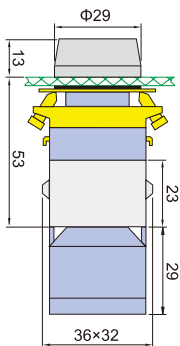
Mushroom Button				Unit: MM	
Name	NO + NC	Type	Color	Reference	Dimension
HLAY8	☐	☐	☐		
	10: 1NO	M: Momentary	3: Green	● HLAY811M3 ● HLAY811M4	
	01: 1NC		4: Red		
	20: 2NO				
	02: 2NC				
	11: 1NO+1NC				
	10: 1NO	MZS: Maintained	3: Green	● HLAY811MZS3 ● HLAY811MZS4	
	01: 1NC		4: Red		
	20: 2NO				
	02: 2NC				
	11: 1NO+1NC				

HLAY8 Pushbutton Switches

Standard: IEC 60947-5

Order Information

Emergency Stop Button				Unit: MM	
Name	NO + NC	Type	Color	Reference	Dimension
HLAY8	☐	☐	☐		
	10: 1NO	ZS: Emergency	3: Green 4: Red	● HLAY811ZS3	
	01: 1NC				
	20: 2NO				
	02: 2NC				
	11: 1NO+1NC				

Illuminated Pushbutton Switches						Unit: MM	
Name	NO + NC	Type	Color	Voltage	Power	Reference	Dimension
HLAY8	☐	☐	☐	☒	☐		
	10: 1NO	D: Momentary (Illuminated)	3: Green	T: 6V	2: AC/DC	● HLAY811D3*4	
	01: 1NC		4: Red	B: 24V	4: AC	● HLAY811D4*4	
	20: 2NO		5: Yellow	F: 110V		● HLAY811D5*2	
	02: 2NC		6:Blue	M: 220V		● HLAY811D6*2	
	11: 1NO+1NC		7:Pure white	Q: 380V		● HLAY811D7*2	
	10: 1NO	DZS: Maintained (Illuminated)	3: Green	T: 6V	2: AC/DC	● HLAY811DZS3*4	
	01: 1NC		4: Red	B: 24V	4: AC	● HLAY811DZS4*4	
	20: 2NO		5: Yellow	F: 110V		● HLAY811DZS5*2	
	02: 2NC		6:Blue	M: 220V		● HLAY811DZS6*2	
	11: 1NO+1NC		7:Pure white	Q: 380V		● HLAY811DZS7*4	
	10: 1NO	DS:Waterproof (Illuminated)	3: Green	T: 6V	2: AC/DC	● HLAY811DS3*4	
	01: 1NC		4: Red	B: 24V	4: AC	● HLAY811DS4*4	
	20: 2NO		5: Yellow	F: 110V		● HLAY811DS5*2	
	02: 2NC		6:Blue	M: 220V			
	11: 1NO+1NC		7:Pure white	Q: 380V			

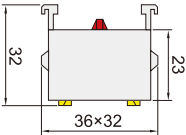
Note: Supplier voltage code: T: 6V, B: 24V, F: 110V, M: 220V, N: 230V, Q: 380V

The pure white and pure blue are only available for LED lamp.

HLAY8 Pushbutton Switches

Standard: IEC 60947-5

Order Information

Base				Unit: MM
Name	Type	Contact	Reference	Dimension
HLAY8				
	BE: Auxiliary contact	101: 1NO	HLAY8BE101	
		102: 1NC	HLAY8BE102	
		103: 2NO	HLAY8BE103	
		104: 2NC	HLAY8BE104	
		105: 1NO+1NC	HLAY8BE105	