

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 value					
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)					
Electric endurance	105	1 (Emergency stop, Selective-type, Key-type)					
		AC6 (Flush type) DC3 (Illuminated)					
Rated thermal current (Ith) A	6	1 (Emergency stop, Selective-type, Key-type)					
		Before board protect degree IP55					
Illuminated pushbutton							
Power supplier voltage	V	6	12	24	110	220	380
LED		✓	✓	✓	✓	✓	-
Neon lamp		-	-	-	✓	✓	✓
Filament lamp		✓	✓	✓	-	-	-

Working Condition


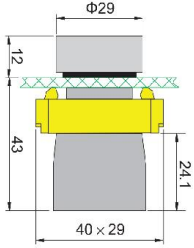

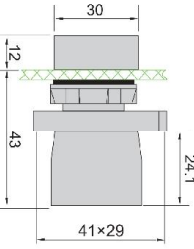
Temperature	-5°C~+40°C,
Relative humidity	≤ 50%(40°C) 90%(20°C)
Above sea level	≤ 2000m
Pollution grade	3






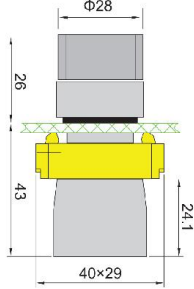


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Order Information


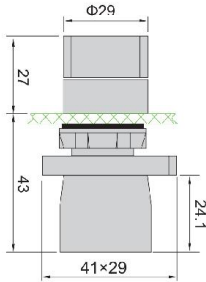

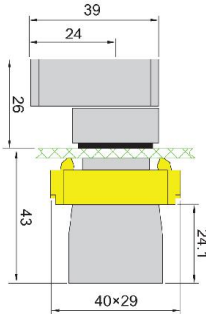

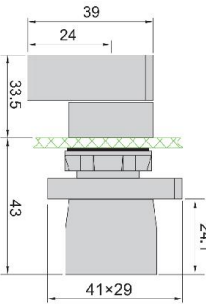
Flush Button						Unit: MM
Name	Material	Type	Color	NO + NC	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B Metal	A Momentary	1 White 2 Black 3 Green 4 Red 5 Yellow 6 Blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	○ HLAY5BA15 ● 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B Metal	D Selective button with short handle	2:2p  3:3p  4:2p  5:3p 	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	HLAY5BD21 HLAY5BD25 HLAY5BD33 HLAY5BD45 HLAY5BD53	

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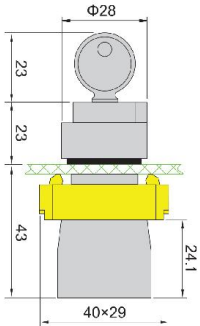

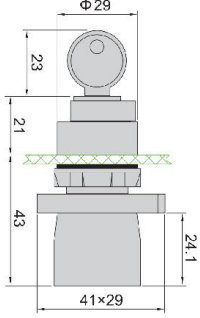

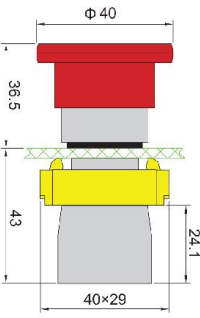
Order Information

Selective Switches						Unit: MM
Name	Material	Type	Operation	NO + NC	Reference	Dimension
	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	

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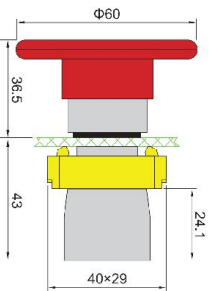

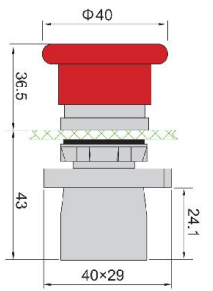
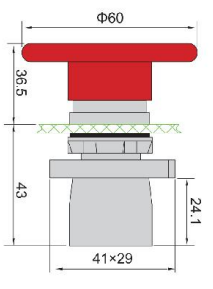
Order Information

Key-operated Selective Switches						Unit: MM
Name	Material	Type	Operation	NO + NC	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Metal	G: Key-operated selective switches	2:2p $\begin{matrix} C \\ \swarrow \\ R \end{matrix}$ 3:3p $\begin{matrix} L & C & R \\ & \swarrow & \downarrow \\ & & R \end{matrix}$ 4:2p reset $\begin{matrix} C \\ \swarrow \\ R \end{matrix}$ 5:3p reset $\begin{matrix} L & C & R \\ & \swarrow & \downarrow \\ & & R \end{matrix}$	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 $\begin{matrix} C \\ \swarrow \\ R \end{matrix}$ 3:3p $\begin{matrix} L & C & R \\ & \swarrow & \downarrow \\ & & R \end{matrix}$ 4:2p reset $\begin{matrix} C \\ \swarrow \\ R \end{matrix}$ 5:3p reset $\begin{matrix} L & C & R \\ & \swarrow & \downarrow \\ & & R \end{matrix}$	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	B: Metal	C: ϕ 40 Mushroom	3: Green 4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	<ul style="list-style-type: none"> ● HLAY5BC31 ● HLAY5BC42 ● HLAY5BC35 ● HLAY5BC45 	

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Order Information

Mushroom Button					Unit: MM	
Name	Material	Type	Color	NO + NC	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	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	

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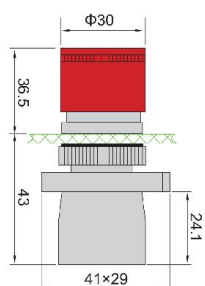

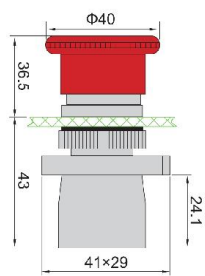

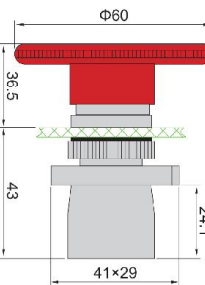
Order Information

Emergency Stop Button							Unit: MM
Name	Material	Type	Head	Color	NO + NC	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	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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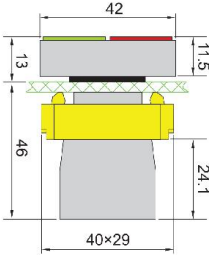

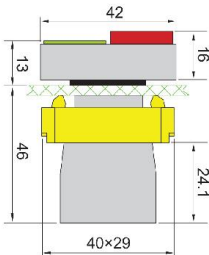
Order Information

Emergency Stop Button						Unit: MM	
Name	Material	Type	Head	Color	NO + NC	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	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	

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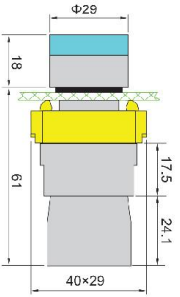

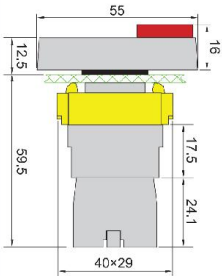

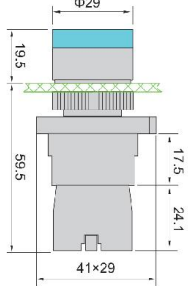

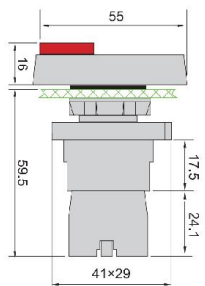
Order Information

Two-head Button						Unit: MM	
Name	Material	Type	Head	No.of head	NO + NC	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	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	

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Order Information

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


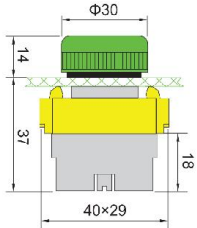

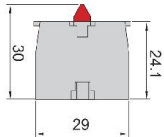
Note: Supplier voltage code: T:6V, B:24V, F:110V, M:220V, N:230V, Q:380V

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

HLAY5 Pushbutton Switches

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Order Information

Indication Lamp						Unit: MM	
Name	Material	Type	Voltage	Color	Light	Reference	Dimension
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	B: Metal	V: Indication	T:6V B:24V F:110V M:220V Q:380V	1: White 3: Green 4: Red 5: Yellow 6: Blue 7: Pure white 8: Pure blue	N: Neon L: LED Blank: Filament	<ul style="list-style-type: none"> <input type="radio"/> HLAY5BV*1* <input checked="" type="radio"/> HLAY5BV*3* <input checked="" type="radio"/> HLAY5BV*4* <input checked="" type="radio"/> HLAY5BV*5* <input checked="" type="radio"/> HLAY5BV*6* <input type="radio"/> HLAY5BV*7* <input checked="" type="radio"/> HLAY5BV*8* 	
Base							
Name	Type	Contact			Reference	Dimension	
HLAY5	<input type="checkbox"/>	<input type="checkbox"/>					
	BE: Auxiliary contact	101: 1NO 102: 1NC 103: 2NO 104: 2NC 105: 1NO+1NC			<ul style="list-style-type: none"> 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 .