



# HLAY5 PUSHBUTTONS, SWITCHES, AND PILOT LIGHTS

[www.himel.com](http://www.himel.com)

## CONTROL COMPONENTS

# HLAY5 Pushbuttons, Switches and Pilot Lights

Standard: IEC 60947-5-1



### Range Presentation

HLAY5 is Himel range of Pushbuttons, Switches and Pilot Lights designed to control and indicate the status of the circuit.

### Features




- ◆ Compact size, suitable for small cabinet equipment
- ◆ Metal type delivers excellent resistance to mechanical shock and vibration
- ◆ Plastic type provides high resistance to chemical agents
- ◆ Screw clamp terminals allowing fast and easy connection
- ◆ Modular design allows flexible and simple setup for complete products


### Online Content



HLAY5

### Selection Code

Range Name	Type	Color	Contacts
<b>HLAY5</b>	<b>BA</b>	<b>4</b>	<b>2</b>
	<b>HLAY5BA:</b> Metal Flush <b>HLAY5EA:</b> Plastic Flush	<b>1:</b> White <b>2:</b> Black <b>3:</b> Green <b>4:</b> Red <b>5:</b> Yellow <b>6:</b> Blue	<b>1:</b> 1NO <b>2:</b> 1NC <b>3:</b> 2NO <b>4:</b> 2NC <b>5:</b> 1NO+1NC
	<b>HLAY5BC:</b> Metal $\Phi$ 40 Mushroom <b>HLAY5EC:</b> Plastic $\Phi$ 40 Mushroom <b>HLAY5BR:</b> Metal $\Phi$ 60 Mushroom <b>HLAY5ER:</b> Plastic $\Phi$ 60 Mushroom	<b>3:</b> Green <b>4:</b> Red	<b>1:</b> 1NO <b>2:</b> 1NC <b>3:</b> 2NO <b>4:</b> 2NC <b>5:</b> 1NO+1NC
	<b>HLAY5BL832:</b> Metal Double-headed flush/flush <b>HLAY5BL842:</b> Metal Double-headed flush/projecting	<b>Default:</b> Green and Red	<b>5:</b> 1NO+1NC

Range Name	Type	Diameter of Push	Color	Contacts
<b>HLAY5</b>	<b>BS</b>	<b>5</b>	<b>4</b>	<b>2</b>
	<b>HLAY5BS:</b> Metal Emergency stop pushbuttons, turn to release <b>HLAY5ES:</b> Plastic Emergency stop pushbuttons, turn to release	<b>4:</b> $\Phi$ 30 <b>5:</b> $\Phi$ 40 <b>6:</b> $\Phi$ 60	<b>3:</b> Green <b>4:</b> Red	<b>1:</b> 1NO <b>2:</b> 1NC <b>3:</b> 2NO <b>4:</b> 2NC <b>5:</b> 1NO+1NC


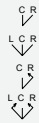


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Range Name	Type	Number and Type of Positions	Contacts
<b>HLAY5</b>	<b>BD</b>	<b>3</b>	<b>3</b>
	<p><b>HLAY5BD:</b> Metal Selector switches with standard handle</p> <p><b>HLAY5ED:</b> Plastic Selector switches with standard handle</p>	<p><b>2:</b> 2p, stay put</p> <p><b>3:</b> 3p, stay put</p> <p><b>4:</b> 2p, spring return</p> <p><b>5:</b> 3p, spring return</p> 	<p><b>1:</b> 1NO</p> <p><b>2:</b> 1NC</p> <p><b>3:</b> 2NO</p> <p><b>4:</b> 2NC</p> <p><b>5:</b> 1NO+1NC</p>
	<p><b>HLAY5BJ:</b> Metal Selector switches with long handle</p> <p><b>HLAY5EJ:</b> Plastic Selector switches with long handle</p>		
	<p><b>HLAY5BG:</b> Metal Key switches</p> <p><b>HLAY5EG:</b> Plastic Key switches</p>		

Range Name	Type	Color	Supply Voltage	Contacts	Light Source
<b>HLAY5</b>	<b>BW3</b>	<b>3</b>	<b>M</b>	<b>1</b>	<b>L</b>
	<p><b>HLAY5BW3:</b> Metal Illuminated pushbuttons with flush push</p> <p><b>HLAY5EW3:</b> Plastic Illuminated pushbuttons with flush push</p>	<p><b>1:</b> White</p> <p><b>3:</b> Green</p> <p><b>4:</b> Red</p> <p><b>5:</b> Yellow</p> <p><b>6:</b> Blue</p> <p><b>7:</b> Pure white</p> <p><b>8:</b> Pure blue</p>	<p><b>T:</b> 6V</p> <p><b>B:</b> 24V</p> <p><b>F:</b> 110V</p> <p><b>M:</b> 220V</p> <p><b>Q:</b> 380V</p>	<p><b>1:</b> 1NO</p> <p><b>2:</b> 1NC</p> <p><b>3:</b> 2NO</p> <p><b>4:</b> 2NC</p> <p><b>5:</b> 1NO+1NC</p>	<b>L:</b> LED
	<p><b>HLAY5BW84:</b> Metal Illuminated pushbuttons with double-headed flush/projecting</p> <p><b>HLAY5EW84:</b> Plastic Illuminated pushbuttons with double-headed flush/projecting</p>	<p><b>Default:</b> Green and Red</p>	<p><b>T:</b> 6V</p> <p><b>B:</b> 24V</p> <p><b>F:</b> 110V</p> <p><b>M:</b> 220V</p> <p><b>Q:</b> 380V</p>	<p><b>5:</b> 1NO+1NC</p>	<b>L:</b> LED

Range Name	Type	Supply Voltage	Color	Light Source
<b>HLAY5</b>	<b>BV</b>	<b>M</b>	<b>3</b>	<b>L</b>
	<p><b>HLAY5BV:</b> Metal Pilot light</p>	<p><b>T:</b> 6V</p> <p><b>B:</b> 24V</p> <p><b>F:</b> 110V</p> <p><b>M:</b> 220V</p> <p><b>Q:</b> 380V</p>	<p><b>1:</b> White</p> <p><b>3:</b> Green</p> <p><b>4:</b> Red</p> <p><b>5:</b> Yellow</p> <p><b>6:</b> Blue</p> <p><b>7:</b> Pure white</p> <p><b>8:</b> Pure blue</p>	<b>L:</b> LED


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Range Name	Type	Contacts
<b>HLAY5</b>	<b>BE10</b>	<b>1</b>
	<b>HLAY5BE10:</b> Contact blocks	<b>1:</b> 1NO <b>2:</b> 1NC <b>3:</b> 2NO <b>4:</b> 2NC <b>5:</b> 1NO+1NC



### Technical Parameters

Range name			HLAY5				
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	10 <sup>5</sup>	10(Flush, Mushroom, Illuminated type)					
		1(Other types)					
Electric endurance	10 <sup>5</sup>	AC: 10 / DC: 2 (Flush,Mushroom type)					
		0.5 (Other types)					
Rated thermal current (Ith)	A	6					
Rated impulse withstand voltage (Uimp)	V	6000					
Degree of protection			IP40 (IP65 with protective cover)				
<b>Illuminated pushbutton</b>							
Power supplier voltage	V	6	12	24	110	220	380
LED		✓	✓	✓	✓	✓	✓

### Environment

Temperature	-5°C to +40°C
Relative humidity	≤ 50% (40°C) 90% (20°C)
Altitude	≤ 2000m
Pollution degree	3



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