

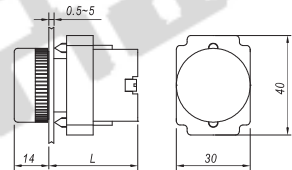
HBY5 Series model description

HBY5☆★-□■/◆/△/▲/※

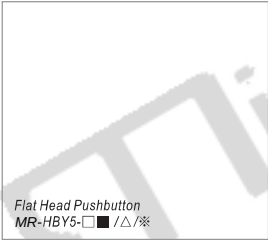
Symbol	Symbol name	Specify
☆	Structure type	E1: Simple type without letter means metal head
★	The front shape	J: double head without light / S: double head with light / No letter means round
□	Contact structure	one group of switching elements 11(1NO1NC) / 10(1NO) / 01(1NC) / 20(2NO) / 02(2NC)
		two groups of switching elements 22(2NO2NC) / 40(4NO) / 04(4NC) / 31(3NO1NC) / 13(1NO3NC) / 30(3NO) / 03(3NC) / 21(2NO1NC) / 12(1NO2NC)
		Three groups of switching elements configuration and so on, can choose the combination according to the need
■	Operation type	No letter means Momentary / D: Signal indicator / Z: latching button / M: Mushroom button / ZM: latching mushroom button / MT: Push-pull emergency stop button / TS: Emergency stop knob / X: Knob / XB: Knob / Y: Key knob
◇	Selector button and key button operation position	2:Two position / 3:Three position
◆	Selector Knob and Key Knob operation Type	1 maintain / 2 half return / 3 self return
△	Lamp color	R: Red / G: Green / Y: Yellow / B: Blue / W: White / N: Black
▲	Lamp voltage	6V / 12V / 24V / 110V / 220V / No letter means no light
※	IP Degree	FP: IP67 / P: IP65 / No letter means IP40



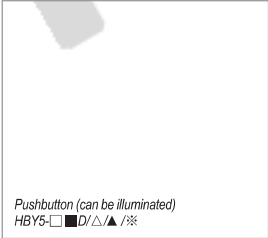
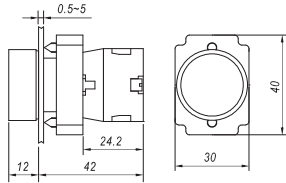
LED color△ R G Y B W
LED voltage▲ 6V / 12V / 24V / 110V / 220V
IP degree IP40
Accessory T04 Sign Frame/Protective cover T17



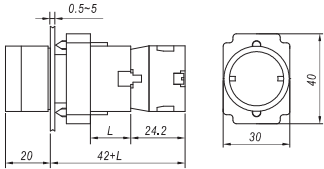
⊙ Voltage ≤ 60V, L=18; > 60V, L=23.



Contact□ 11: 1NO1NC / 10: 1NO / 01: 1NC
Other switch combinations refer to the model description
Operation■ Z: Latching / No letter: Momentary
LED color△ R G Y B W N
IP degree※ P: IP65 / No letter means IP40
Accessory Sign frame T04/Protective cover T17



Contact□ 11: 1NO1NC / 10: 1NO / 01: 1NC
Other switch combinations refer to the model description
Operation■ Z: Latching / No letter: Momentary
LED color△ R G Y B W
LED voltage▲ 6V / 12V / 24V / 110V / 220V
IP degree※ P: IP65 / No letter means IP40
Accessory Sign frame T04/Protective cover T17

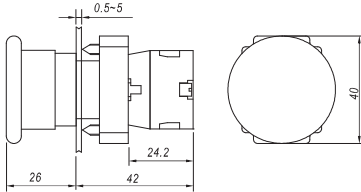
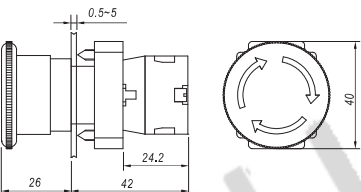
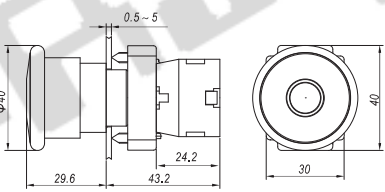
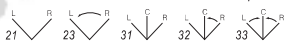
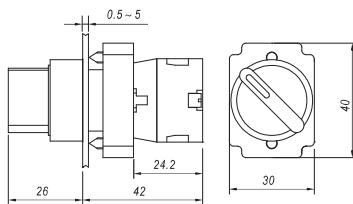
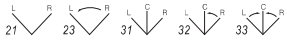
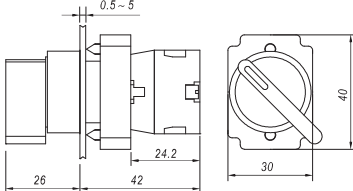


⊙ Voltage ≤ 60V, L=18; > 60V, L=23.

PART NUMBERS ON THIS DRAWING

MR-HBY5 MR-HBY5-D MR-HBY5-F1 MR-HBY5-M MR-HBY5-MT MR-HBY5-PB-D MR-HBY5-TS
MR-HBY5-X MR-HBY5-XB MR-HBY5-Y MR-HBY5E1 MR-HBY5J MR-HBY5S

22 MM PUSH BUTTON		Micro-Ray	
MR-HBY5 SERIES			
PART NO	MR-HBY5		
DWG NO	MR-HBY5	SHEET 1 OF 3	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

Product Picture	Description	Dimension
Mushroom Push button MR-HBY5-□■M/△/※	Contact□11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description LED color△R G IP degree※P:IP65 / No letter means IP40 AccessoryProtective cover T31	
Emergency stop button MR-HBY5-□TS/※	Contact□11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description IP degree※P:IP65 / No letter means IP40 AccessoryWarning ring T14-2260 / T26 protection ring	
Push-pull emergency stop button MR-HBY5-□MT/※	Contact□11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description IP degree※P:IP65 / No letter means IP40 AccessoryWarning ring T14-2260 / T26 protection ring	
Selector Switch MR-HBY5-□X/◇◆/※	Contact□11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description Operation◇◆ (32 Default right momentary, left momentary can be customized) IP degree※P:IP65 / No letter means IP40 AccessoryT04 sign frame	
Lever Selector Switch MR-HBY5-□XB/◇◆/※	Contact□11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description Operation◇◆ (32 Default right momentary, left momentary can be customized) IP degree※P:IP65 / No letter means IP40 AccessoryT04 sign frame	

PART NUMBERS ON THIS DRAWING	
MR-HBY5 MR-HBY5-D MR-HBY5-F1 MR-HBY5-M MR-HBY5-MT MR-HBY5-PB-D MR-HBY5-TS MR-HBY5-X MR-HBY5-XB MR-HBY5-Y MR-HBY5E1 MR-HBY5J MR-HBY5S	

22 MM PUSH BUTTON		Micro-Ray	
MR-HBY5 SERIES			
PART NO	MR-HBY5		
DWG NO	MR-HBY5	SHEET 2 OF 3	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

Product Picture	Description	Dimension
Key-lock Switch MR-HBY5-□Y/◇◆/※	Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description Operation ◇ ◆ (32 Default right momentary, left momentary can be customized) IP degree P: IP65 / No letter means IP40 Accessory T04 sign frame Two keys are supplied. The key can be pull out in one position or in both position.	
Double Head MR-HBY5J-□	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description IP degree IP40 Red & Green, Can't be used with lamp.	
Illuminated Double Head HBY5S-□D/▲	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description IP degree IP40 Red & Green	Ⓢ Voltage category with lamp is AC/DC, L=18; AC, L=23.
Economical Pushbutton MR-HBY5E1-□/△	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC LED color △ R G Y B W N IP degree IP40 Switch rating Ue:220V Ui:0.3AAC-14	
Alternate Module MR-HBY5-F1	Alternate function can be added to latching type using this fitting.	

PART NUMBERS ON THIS DRAWING
MR-HBY5 MR-HBY5-D MR-HBY5-F1 MR-HBY5-M MR-HBY5-MT MR-HBY5-PB-D MR-HBY5-TS
MR-HBY5-X MR-HBY5-XB MR-HBY5-Y MR-HBY5E1 MR-HBY5J MR-HBY5S

22 MM PUSH BUTTON		Micro-Ray	
MR-HBY5 SERIES			
PART NO	MR-HBY5		
DWG NO	MR-HBY5	SHEET 3 OF 3	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22