



Catalog

Honeywell RP22 & PL22S Series Push Button & Pilot Light



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RP22 & PL22S Push Button and Pilot Light



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Mainstream Application, Quality Assurance



80% Of Global Customers Prefer Plastic Push Buttons:

Honeywell RP22/PL22S push buttons and pilot lights use import plastic raw materials, which represent a wider and global mainstream application, especially in the anti-vibration, anti-corrosion and double insulation situations.



Good Appearance and Design Integrated In Both Inside and Outside

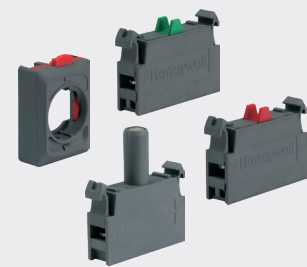
Push Button Head

- There are a wide variety of button head models that can meet various needs
- Tool free installation and disassembly, convenient and efficient, saving time
- The button head adopts a concave arc-shaped design, which fits the fingers and has a better tactile sensation
- The front protection level of the button head can reach IP65



Contact Block

- Compact contact and fixed bracket design, saving space
- The contact module has passed reliability testing and has a choice of gold-plated contacts, which can meet the requirements of modern industrial applications with extremely low current
- Modular combination structure, contacts can be combined freely, convenient and fast, and can be stacked and hung in multiple layers. When stacking, two layers are the best choice



PL22S Compact Pilot Light

- Use high quality safety capacitor and special epoxy which lead to a 70,000 hours life
- IP65 protection degree in front face and IP20 in rear one
- Allow a 20% voltage fluctuation, adapt for both 50Hz/60Hz AC power supply

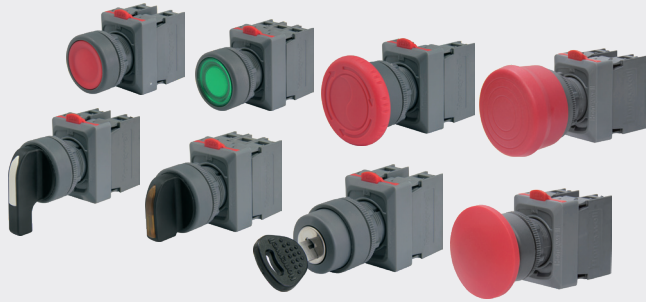


Technical Parameters

RP22 Series Push Button	
Environment	
Product Standard	IEC 60947-1, IEC 60947-5-1, GB14048.1, GB14048.5
Certification	CCC, CE, RoHS
Protective treatment	"TH" fit for damp and heat environment
Ambient air temperature	Working: -25°C~+70°C; Storage: -40°C~+80°C
Vibration resistance	10-500Hz, 1mm, 15g
Degree of protection	IP65 front face
Mechanical durability	3,000,000 cycles (vertical acting type), 1,000,000 cycles(rotation type), 300,000 cycles (emergency stop)
Contact Characteristics	
Rated voltage and current	AC-15 Ue/Ie: 120V/6A; 240V/3A, 380V/1.9A DC-13 Ue/Ie: 250V/0.27A, 125V/0.55A
Rated insulation voltage Ui	600V, 400V (Illuminated push button)
Rated impulse withstand voltage Uimp	6000V, 4000V (Illuminated push button)
Type of contact	Slow break, NC contact definite disconnection
Short circuit protection	10A Conform with IEC 60947-5-1
Wire connection	Screw connection
PL22S Series Compact Pilot Light	
Specification	
Product Standard	IEC 60947-1, IEC 60947-5-1, GB14048.1, GB14048.5
Certification	CCC, CE, RoHS
Ambient air temperature	Working: -25°C~+70°C; Storage: -40°C~+80°C
Relative humidity	Working at maximum 95% RH
Degree of protection	IP65 front face, IP20 rear face
Power consumption	24V: 0.4W, 220V: 3.3W
Rated insulation voltage Ui	660V
Service life	70000 hours (Under rated voltage)
Voltage limits	$U \leq 1.2 U_n$
Wire connection	Minimum 1x0.5mm ² , Maximum 2x1.5mm ²
PL22S Series Buzzers	
Specification	
Product Standard	IEC 60947-1, IEC 60947-5-1, GB14048.1, GB14048.5
Certification	CCC, CE, RoHS
Ambient air temperature	Working: -25°C~+70°C; Storage: -40°C~+80°C
Relative humidity	Working at maximum 95% RH
Degree of protection	IP40 front face
Rated insulation voltage Ui	380V
Sound type	Continuous, discontinuous
Sound volume	80~110db/10cm
Service life	20000 hours
Rated current	25mA
Voltage limits	$0.8 U_n \leq U \leq 1.1 U_n$
Wire connection	Minimum 1x0.5mm ² , Maximum 2x1.5mm ²

Selection Guide

Push Button Module (P5-P9)



- A. Non flush push button (With fixation support and contact block(s))
- B. Illuminated push button (With fixation support and contact block(s))
- C. Emergency stop (With fixation support and contact block(s))
- D. Select switch (With fixation support and contact block(s))
- E. Illuminated Select switch (With fixation support and contact block(s))
- F. Key select switch (With fixation support and contact block(s))
- G. Mushroom push button (With fixation support and contact block(s))

Push Button Head (P10-P14)



- H. Non flush push button head
- I. Illuminated push button head
- J. Long handle select switch head
- K. Short handle select switch head
- L. Illuminated select switch head
- M. Key select switch head
- N. Emergency stop head
- O. Push-pull emergency stop head
- P. Mushroom push button head

Accessories (P15-P18)



- Q. Fixation
- R. Contact block
- S. Light block
- T. Columnar spanner

Pilot Light and Buzzer (P19-P20)



- U. Pilot light
- V. Discontinuous sound buzzer
- W. Continuous sound buzzer

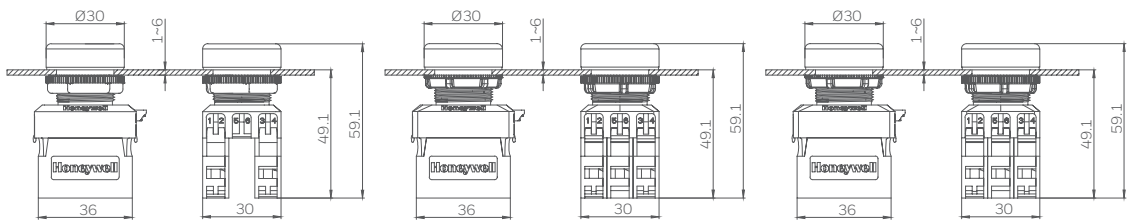
Push Button Module

Non Flush Push Button	Illuminated Push Button
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Description	Self reset			Self reset AC/DC24V			Self reset AC/DC220V		
	Color	Contact	Reference	Color	Contact	Reference	Color	Contact	Reference
	Red	1NO	RP22-10-R	Red	1NO	RP22D-10-AD24-R	Red	1NO	RP22D-10-AD220-R
	Red	1NC	RP22-01-R	Red	1NC	RP22D-01-AD24-R	Red	1NC	RP22D-01-AD220-R
	Green	1NO	RP22-10-G	Green	1NO	RP22D-10-AD24-G	Green	1NO	RP22D-10-AD220-G
	Yellow	1NO	RP22-10-Y	Yellow	1NO	RP22D-10-AD24-Y	Yellow	1NO	RP22D-10-AD220-Y
	White	1NO	RP22-10-W	White	1NO	RP22D-10-AD24-W	White	1NO	RP22D-10-AD220-W
	Blue	1NO	RP22-10-S	Blue	1NO	RP22D-10-AD24-S	Blue	1NO	RP22D-10-AD220-S
	Black	1NO	RP22-10-B	-	-	-	-	-	-
	Red	1NO+1NC	RP22-11-R	-	-	-	-	-	-
	Green	1NO+1NC	RP22-11-G	-	-	-	-	-	-
	Black	1NO+1NC	RP22-11-B	-	-	-	-	-	-

Dimension



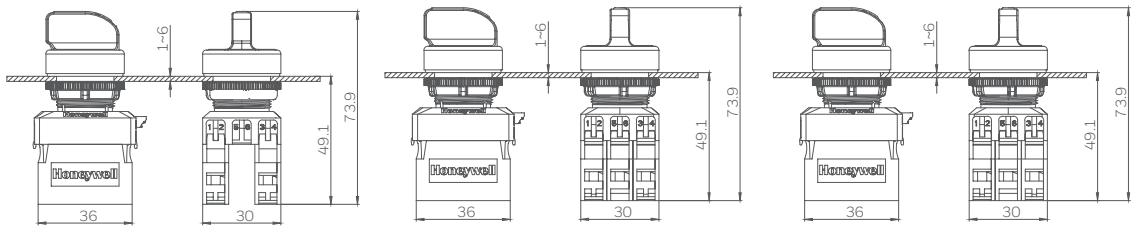
Push Button Module

Short Handle Select Switch

Illuminated Short Handle Select Switch



Description	-			AC/DC24V		AC/DC220V	
Action Description	Color	Contact	Reference	Contact	Reference	Contact	Reference
2-position	Black	1NO	RP22X2-10-B	1NO	RP22XD2-10-AD24-■ ⁽¹⁾	1NO	RP22XD2-10-AD220-■ ⁽¹⁾
2-position	Black	1NO+1NC	RP22X2-11-B	1NO+1NC	RP22XD2-11-AD24-■ ⁽¹⁾	1NO+1NC	RP22XD2-11-AD220-■ ⁽¹⁾
2-position	Black	1NO	RP22X2A-10-B	1NO	RP22XD2A-10-AD24-■ ⁽¹⁾	1NO	RP22XD2A-10-AD220-■ ⁽¹⁾
3-position	Black	2NO	RP22X3-20-B	2NO	RP22XD3-20-AD24-■ ⁽¹⁾	2NO	RP22XD3-20-AD220-■ ⁽¹⁾
3-position	Black	2NO	RP22X3A-20-B	2NO	RP22XD3A-20-AD24-■ ⁽¹⁾	2NO	RP22XD3A-20-AD220-■ ⁽¹⁾
Dimension							



Action description * * * Self reset.

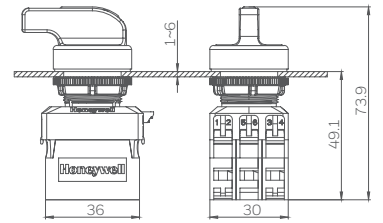
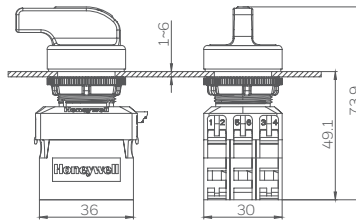
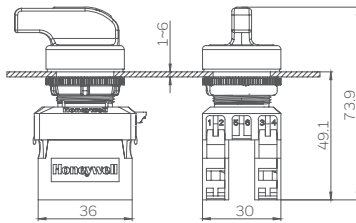
(1): ■ is the color of illuminated head, available in five colors: red, green, yellow, white, and blue.

Long Handle Select Switch

Illuminated Long Handle Select Switch



Description	-			AC/DC24V		AC/DC220V	
Action Description	Color	Contact	Reference	Contact	Reference	Contact	Reference
2-position	Black	1NO	RP22CX2-10-B	1NO	RP22CXD2-10-AD24-■ ⁽¹⁾	1NO	RP22CXD2-10-AD220-■ ⁽¹⁾
2-position	Black	1NO+1NC	RP22CX2-11-B	1NO+1NC	RP22CXD2-11-AD24-■ ⁽¹⁾	1NO+1NC	RP22CXD2-11-AD220-■ ⁽¹⁾
2-position	Black	1NO	RP22CX2A-10-B	1NO	RP22CXD2A-10-AD24-■ ⁽¹⁾	1NO	RP22CXD2A-10-AD220-■ ⁽¹⁾
3-position	Black	2NO	RP22CX3-20-B	2NO	RP22CXD3-20-AD24-■ ⁽¹⁾	2NO	RP22CXD3-20-AD220-■ ⁽¹⁾
3-position	Black	2NO	RP22CX3A-20-B	2NO	RP22CXD3A-20-AD24-■ ⁽¹⁾	2NO	RP22CXD3A-20-AD220-■ ⁽¹⁾
Dimension							









Action description * * * Self reset.

(1): ■ is the color of illuminated head, available in five colors: red, green, yellow, white, and blue.

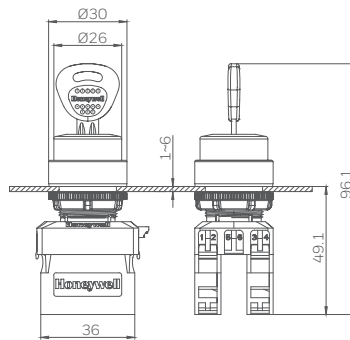
Push Button Module


Key Select Switch



Action Description	Color	Contact	Reference
2-position 	Black	1NO	RP22Y2-10-B
2-position 	Black	1NO+1NC	RP22Y2B-11-B
2-position 	Black	1NO	RP22Y2A-10-B
3-position 	Black	2NO	RP22Y3-20-B
3-position 	Black	2NO	RP22Y3B-20-B
3-position 	Black	2NO	RP22Y3A-20-B

Dimension

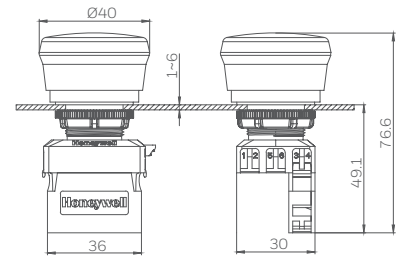
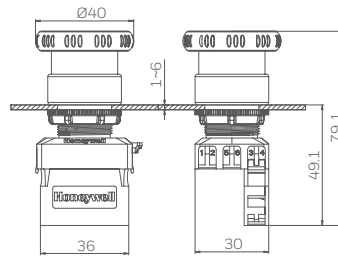
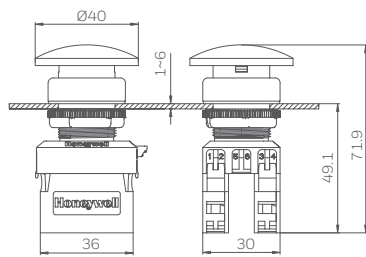


Action description *●* Key pull out position, *  *self reset.

	Mushroom Push Button	Emergency Stop	Push Pull Emergency Stop Button
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Description	Self reset	Push to lock and right hand reset	Push to lock and Pull to reset
Color	Green	Red	Red
Contact	1NO	1NC	1NC
Reference	RP22M-10-G	RP22J-01-R	RP22JT-01-R
Dimension			

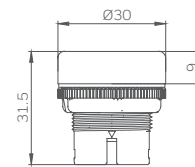
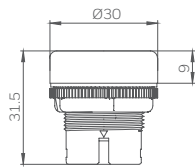


Push Button Head

Non Flush Push Button Head	Illuminated Push Button Head
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Description	Self reset	Self reset
	Color	Color
	Red	Red
	Green	Green
	Yellow	Yellow
	White	White
	Blue	Blue
	Black	-
Push button head with function symbol	Function symbol	
		RP22-GW1
		RP22-GW2
		RP22-GW3
		RP22-WB3
		RP22-BW3
		RP22-WB7
		RP22-RW6
		RP22-RW4
		RP22-SW5
Dimension		



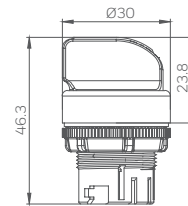
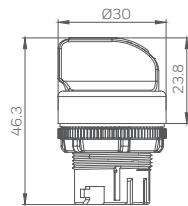
Short Handle Select Head



Illuminated Short Handle Select Head



	Action type	Color	Reference		Action type	Reference
	2-position	Black	RP22X2-B		2-position	RP22XD2-* ⁽¹⁾
	2-position	Black	RP22X2A-B		2-position	RP22XD2A-* ⁽¹⁾
	3-position	Black	RP22X3-B		3-position	RP22XD3-* ⁽¹⁾
	3-position	Black	RP22X3A-B		3-position	RP22XD3A-* ⁽¹⁾
Dimension						



Action description *●* Key pull out position, *↗*/*↘* self reset.

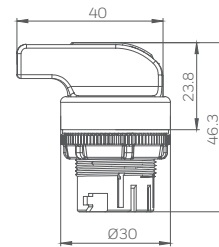
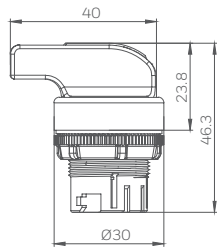
(1): * is the color of illuminated head, available in five colors: red, green, yellow, white, and blue.

Push Button Head

Long Handle Select Head	Illuminated Long Handle Select Head
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	Action type	Color	Reference		Action type	Reference
	90°	Black	RP22CX2-B		90°	RP22CXD2-* ⁽¹⁾
	90°	Black	RP22CX2A-B		90°	RP22CXD2A-* ⁽¹⁾
	45° 45°	Black	RP22CX3-B		45° 45°	RP22CXD3-* ⁽¹⁾
	45° 45°	Black	RP22CX3A-B		45° 45°	RP22CXD3A-* ⁽¹⁾
Dimension						



Action description *●* Key pull out position, *↗*/*↘* self reset.

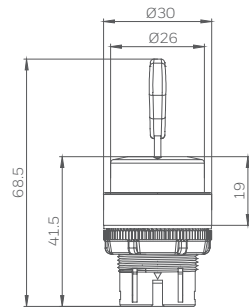
(1): * is the color of illuminated head, available in five colors: red, green, yellow, white, and blue.

Key Select Head









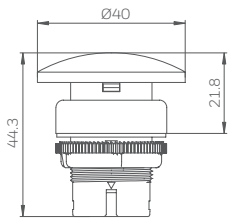
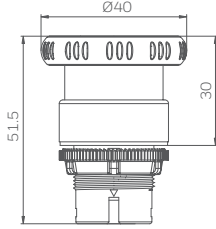
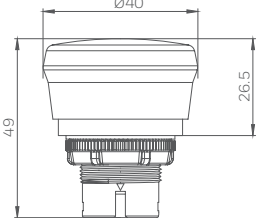
	Action type	Color	Reference
2-position		Black	RP22Y2-B
2-position		Black	RP22Y2B-B
2-position		Black	RP22Y2A-B
3-position		Black	RP22Y3-B
3-position		Black	RP22Y3B-B
3-position		Black	RP22Y3A-B

Dimension



Action description *●* Key pull out position, *↙* *↘* self reset.

Push Button Head

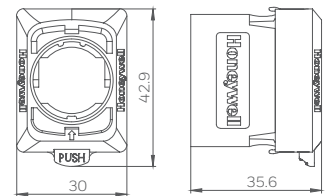
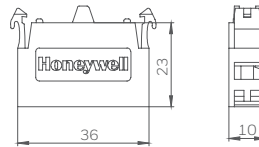
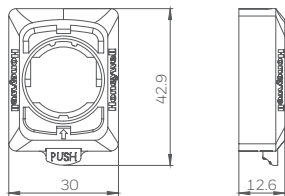
	Mushroom Push Button Head	Emergency Stop Head	Push-pull Emergency Stop Head
			
			
Description	Self reset	Push to lock and right hand reset	Push to lock and Pull to reset
	Color Reference	Color Reference	Color Reference
	Red RP22M-R	Red RP22J-R	Red RP22JT-R
	Green RP22M-G	-	-
Dimension			

Module and Accessory





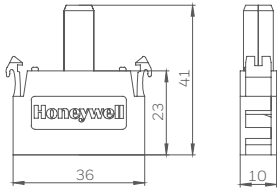
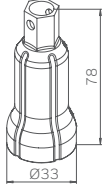
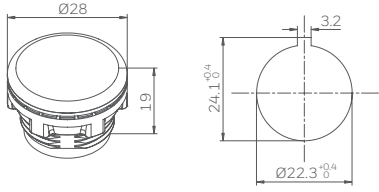
	Fixation Support	Contact Block	Fixation Support and Contact Block
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	Description	Reference	Contact	Reference	Contact	Reference
	Fixation	ARP22-ZJ	1NO	ARP22-10	1NO	ARP22-J10
	-		1NC	ARP22-01	1NC	ARP22-J01
	-		1NO, gold-plated	ARP22-10(G)	1NO+1NC	ARP22-J11
	-		1NC, gold-plated	ARP22-01(G)	2NO	ARP22-J20
	-		-	-	2NC	ARP22-J02
Dimension						



Module and Accessory

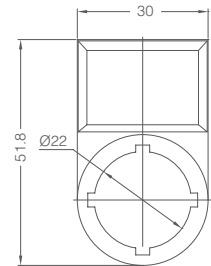
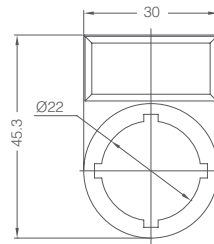
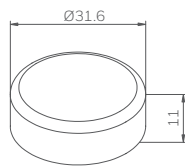
	Light Block	Columnar spanner	Panel plug
	 		
Description	AC/DC (Both AC/DC)	Use for tightening heads Reference	Use for plugging spare holes Reference
	Color Reference	Reference	Reference
	Red ARP22-D-*-R	ARP22-T	ARP22-S
	Green ARP22-D-*-G		
	Yellow ARP22-D-*-Y		
	White ARP22-D-*-W		
	Blue ARP22-D-*-S		
Dimension			

(1): * Represents voltage level. There are six voltage options available: AD6, AD12, AD24, AD48, AD110, and AD220.
AD24: Represents 24V AC/DC. For example: ARP22-D-AD24-R.

Protection Rubber	Small Marking Panel	Big Marking Panel
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Description	Use for protecting button head to improve IP degree (To IP67)	Circular	Circular
	Reference ARP22-V1	Reference ARP22-B1	Reference ARP22-B2
Dimension			

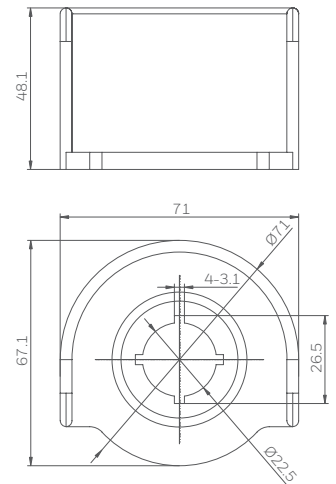
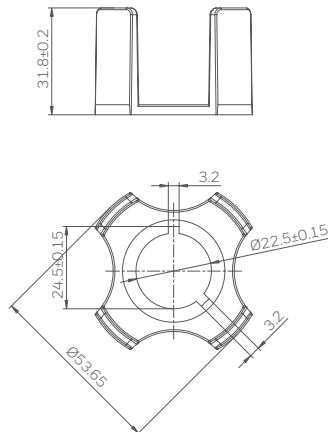
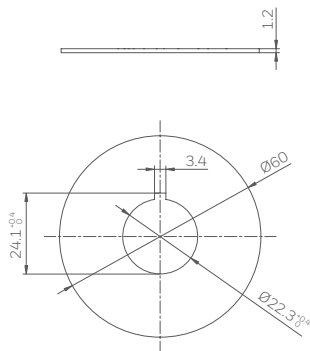


Module and Accessory

Emergency Stop Marking Disc	Emergency Stop Protection Disc	Emergency Stop Protection Cover
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Description	Mount in the back of the emergency stop head to attract attentions (Diameter 60mm)	Avoid wrong action, adapt for RP22J-01-R RP22JT-01-R	Avoid wrong action, adapt for RP22J-01-R RP22JT-01-R
	Reference ARP22-BJ	Reference ARP22-JQ	Reference ARP22-AZ
Dimension			

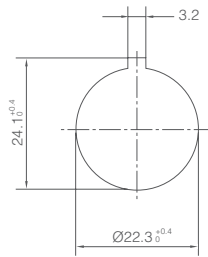


RP22 Series Push Button Opening Guide

The RP22 series buttons have positioning blocks at the top

Make a hole according to Figure 1

Installation method: Align the positioning block with the installation hole gap and insert the button head into the hole.



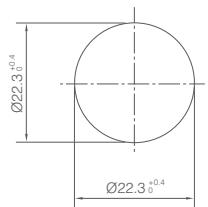
(Figure 1)

Make a hole according to Figure 2

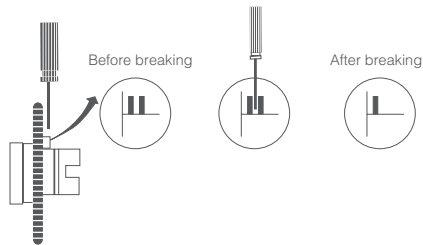
Installation method:

The first method is to forcefully push the button head into the installation hole, causing the upper end of the positioning block to break due to force.

The second method is to insert a flathead screwdriver into the middle gap of the positioning block, break the positioning block (Figure 3), and then proceed with installation.



(Figure 2)



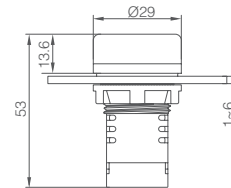
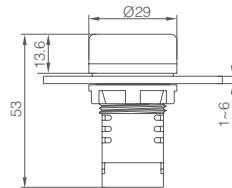
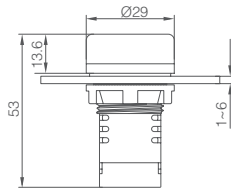
(Figure 3)

PL22 Series Compact Pilot Light

Pilot Light			
AC/DC (Both AC/DC)	AC (AC only)	DC (DC only)	



Color	Reference	Color	Reference	Color	Reference
Red	PL22S-●V-R ⁽¹⁾	Red	PL22S-AC■V-R ⁽²⁾	Red	PL22S-DC*V-R ⁽³⁾
Green	PL22S-●V-G ⁽¹⁾	Green	PL22S-AC■V-G ⁽²⁾	Green	PL22S-DC*V-G ⁽³⁾
Yellow	PL22S-●V-Y ⁽¹⁾	Yellow	PL22S-AC■V-Y ⁽²⁾	Yellow	PL22S-DC*V-Y ⁽³⁾
White	PL22S-●V-W ⁽¹⁾	White	PL22S-AC■V-W ⁽²⁾	White	PL22S-DC*V-W ⁽³⁾
Blue	PL22S-●V-S ⁽¹⁾	Blue	PL22S-AC■V-S ⁽²⁾	Blue	PL22S-DC*V-S ⁽³⁾
Dimension					



(1) ●: is the voltage value. 24, 48 or 110 to select. Example: PL22S-24V-R.

(2) ■: is the voltage value. 110, 220 or 380 to select. Example: PL22S-AC220V-R.

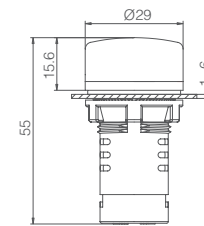
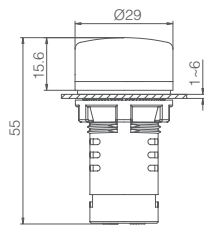
(3) *: is the voltage value. 110 or 220 to select. Example: PL22S-DC110V-R.

PL22S Series Buzzer

Buzzer



Description	Discontinuous sound buzzer	Continuous sound buzzer
Voltage	Reference	Reference
DC24V	PL22S-FM-DC24V	PL22S-FML-DC24V
AC110V	PL22S-FM-AC110V	PL22S-FML-AC110V
AC220V	PL22S-FM-AC220V	PL22S-FML-AC220V
AC380V	PL22S-FM-AC380V	PL22S-FML-AC380V
Dimension		



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