

Switches
Push Buttons
Circuit Breakers
Indicator Lights



**SWITCH
CATALOG
2024**





2024 SWITCH CATALOG

Proven Connectivity Quality: Over 70-year's supplying major global brands with private labeled product. RNA products will conform to CE, CSA, UL certifications and many other Certs as need by customers. Our facilities are ISO9001/ISO14001 certified; follows OHSAS18001/RoHS.

Broad Standard Product Offering: Large selection of, PCB, DIN Rail Mount, and Barrier Terminal Blocks that will cross to many of the major brands.

Value Strategy: Our customers enjoy RNA's High-Quality products, Super Competitive pricing, Quick delivery, US based Sales technical support and National and Regional Distribution.

Custom Solutions: RNA has unsurpassed in-house capabilities for product engineering with in-house testing lab, 110+ engineers, 90+ molding staff to provides customers with quick turn around on custom product designs or, standard product modifications.

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Rocker switches



Pushbutton switches



Indicators



22mm Switches & Buzzers



Key switches & Rotary switches



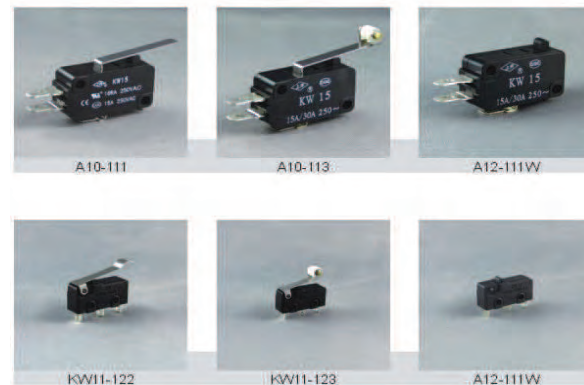
Rotary switches



Pushbutton switches & Door switches



Micro switches



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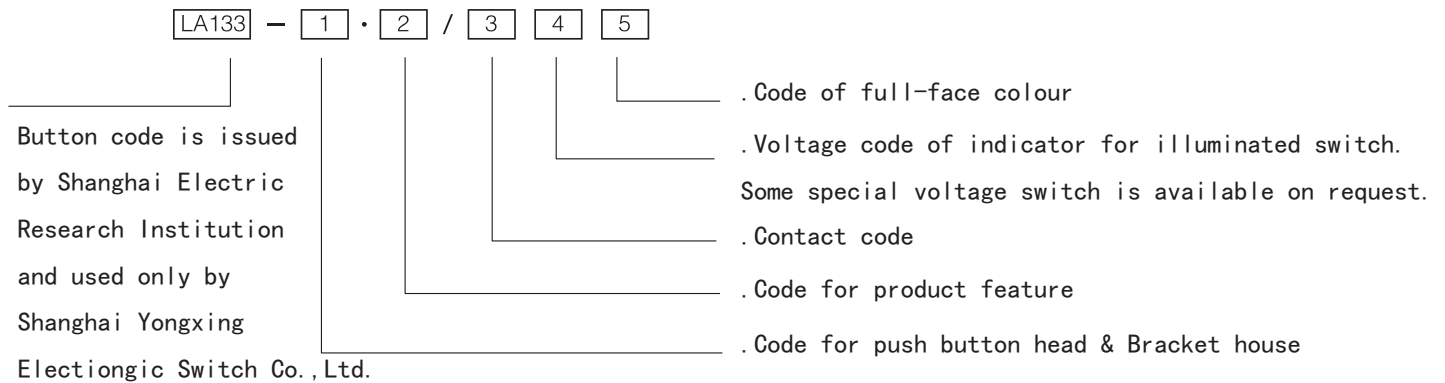
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Model



1 Code for push button head & Bracket house

Series Code	LA133-A1/a1	Series Code	LA133-B1	Series Code	LA133-E1/e1
Argentate		B1		Argentate	
Black		Argentate & Black		Black	
Series Code	LA133-A2/a2	Series Code	LA133-B2	Series Code	LA133-E2/e2
Argentate		B2		Argentate	
Black		Argentate & Black		Black	

Features:

1. LA133-(A1、a1、B1、E1、e1): Outline clear-cut appearance, graceful lines. Install and Fix inclined-screw, Succeed to design description for EAO Switzerland, accord to occident strict and soundness of the engineering design concept.

2. LA133-(A2、a2、B2、E2、e2): Well-bedded appearance, Fixed by high-strength plastic PBT production and Straight screw combination, not only inherited the A1、a1、B1、E1、e1 stable characteristics of a solid, but also take into account the cost of manufacturing, it is A1、a1、B1、E1、e1 simple farm, it is a economic options for consumer.

2 Code for product feature

Code	Description	Code	Description
P	Momentary action pushbutton	T	Raised lens Pushbutton
PS	Maintained action actuator	TS	Maintained action actuator Raised Pushbutton
PD	Illuminated pushbutton actuator	TD	Illuminated Raised lens Pushbutton
PDS	Illuminated maintained action pushbutton actuator	TDS	Illuminated Maintained action actuator Raised lens Pushbutton
X2S	Short level 2-position maintained action, selector switch	XL2S	Long level 2-position maintained action selector switch
X3S	Short level 3-position selector switch	XL3S	Long level 3-position selector switch
X3	Short level 3-position return action selector switch	XL3	Long level 3-position return action selector switch
X3SR	Short level 3-position left return action, right maintained action selector switch	XL3SR	Long level 3-position left return action, right maintained action selector switch
X3SL	Short level 3-position left Maintained action, right return action selector switch	XL3SL	Long level 3-position left Maintained action, right return action selector switch
XD24S	2-position 45° illuminated maintained action selector switch	XD3S	3-position illuminated maintained action selector switch
XD24	2-position 45° illuminated return action selector switch	XD3SR	3-position illuminated left return action, right maintained action selector switch
XD2S	2-position 90° illuminated maintained action selector switch	XD3SL	3-position illuminated left maintained action, right return action selector switch
XD3	3-position illuminated return action keylock switch		

Code	Description	Code	Description
M	Mushroom-head pushbutton actuator	Y2S	2-position maintained action keylock switch
MS	Mushroom pushbutton with latching	Y3S	3-position keylock switch
MD	Illuminated mushroom-head pushbutton actuator	Y3	3-position return action keylock switch
MDS	Illuminated Maintained action mushroom-head pushbutton actuator	Y3SR	3-position left return action, right maintained action keylock switch
J	Emergency stop pushbutton	Y3SL	3-position, left Maintained action right action keylock switch

3 Contact code

Description

Code		Description	Code		Description
Snap-action switching element	Slow-make switching element		Snap-action switching element	Slow-make switching element	
K10	H10	1NO	K40	H40	4NO
K01	H01	1NC	K04	H04	4NC
K20	H20	2NO	K11	H11	1NO&1NC
K02	H02	2NC	K12	H12	1NO&2NC
K30	H30	3NO	K21	H21	2NO&1NC
K03	H03	3NC	K22	H22	2NO&2NC
K13	H13	1NO&3NC	K31	H31	3NO&1NC



K
Snap-action switching element



H
Slow-make switching element

4 Voltage code of indicator for illuminated switch

Illumination	LED(Light-emitting Diode)			
	Power Supply	DC • AC	AC	FD
Voltage	6V 12V 24V 36V 48V 110V 220V 380V	110V 220V 380V	380V	

Note: Special Voltage Can Be Made

5 Code of full-face colour

Code	R	G	Y	W	S	B	J
Description	Red	Green	Yellow	White	Blue	Black	Flat Metal Buttons

Parts material

Bezel of head	Bracket	Shell of button head	Contact point	Bracket house	Contact panel
AL	Zn or PBT	PA	AgSnO ₂ In ₂ O ₃	PC	Cu

Usage

LA133 series of pushbutton for AC50HZ or 60HZ, voltage rage AC from 600V to DC400V of CNC machine, and Mechanical, Electrical, Telecommunications, Shipbuilding, Metallurgy, Chemical switch of electrical control devices, which use as control illumination & interlocking switch etc.

◆ Environmental conditions

Operating temperature	-25°C ~ +55°C	Installation group	III Class
Degree of pullution	Level 3	Installation height	≤2000m
Vibration	10 ~ 2000Hz • 1mm • 15g	Relative humidity	≤98%
Protection degree	IP40 (Usually usage if not noted in order) IP65 (Should be noted in order) Can be reach IP67 if use Protective membranes for some pushbuttons		

◆ Electrical characteristics

Rated insulation Voltage: AC660V

Rated Thermal Current: 10A

Max. insulation voltage: 2500V/min

Usage Category: AC-15, DC-13

Usage Category	Connection Block UiV	working rate voltage UeV	working rate current IeA	Rated Thermal Current IthA
AC-15	660	220 660	6 2	10
DC-13	660	110 220	1 0.6	10

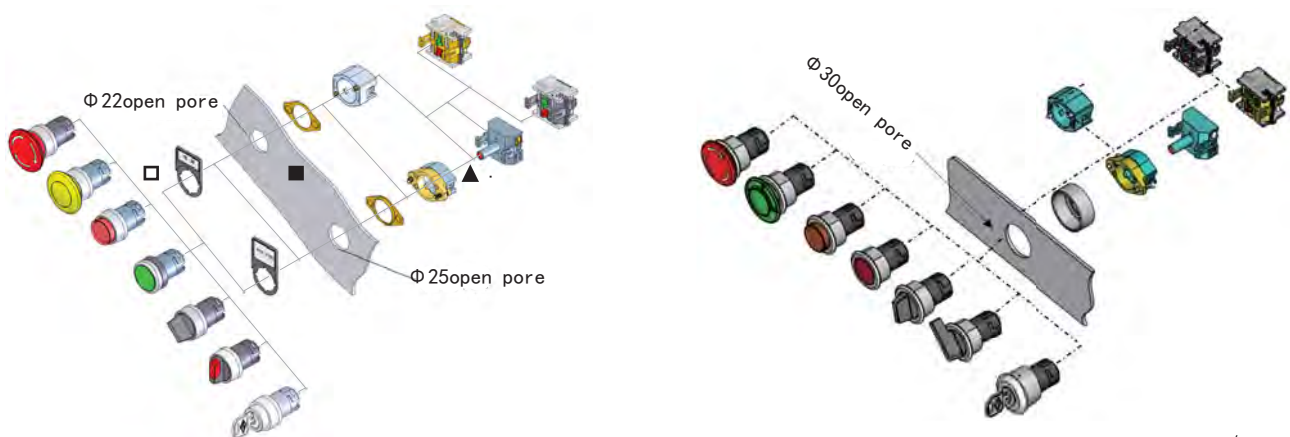
◆ Mechanical lifetime


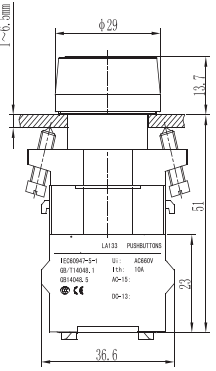

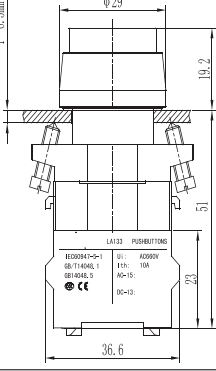

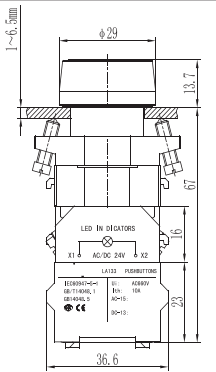

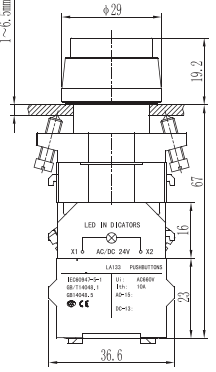
structural style	mechanical life (cycles)	operation frequency (cycle/h)
Pushbutton, Mushroom-head pushbutton & illuminated pushbutton actuator	1 million	1200
Rotary Switch, Keylock switches & Maintained action actuator	0.3 million	120

◆ Electrical lifetime

Usage Category	Electrical lifetiom(cycles)	Operation frequency (cycle/h)
AC-15	0.6 million	1200
DC-13	0.25million	1200


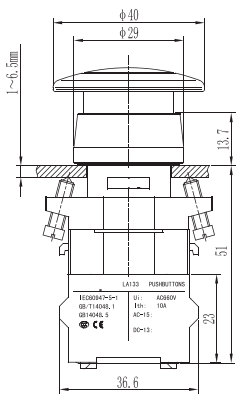

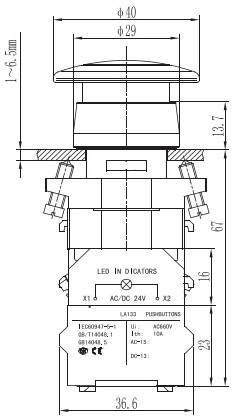

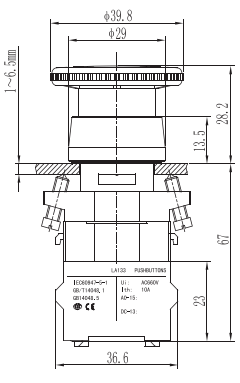
Assembly diagram



Name	Pattern	Working	Model	Color	Voltage	Dimension
pushbutton		Momentary Maintained	LA133-A1.P/□▲ LA133-A1.PS/□▲	● R ● G ● Y ○ W ● S ● B		
Raised lens pushbutton		Momentary Maintained	LA133-A1.T/□▲ LA133-A1.TS/□▲	● R ● G ● Y ○ W ● S ● B		
Illuminated pushbutton		Momentary Maintained	LA133-A1.PD/□■▲ LA133-A1.PDS/□■▲	● R ● G ● Y ○ W ● S	DC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Illuminated raised lens pushbutton		Momentary Maintained	LA133-A1.TD/□■▲ LA133-A1.TDS/□■▲	● R ● G ● Y ○ W ● S	DC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	


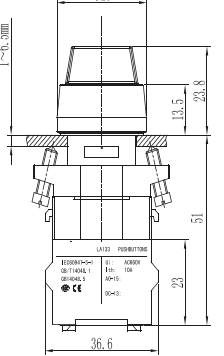

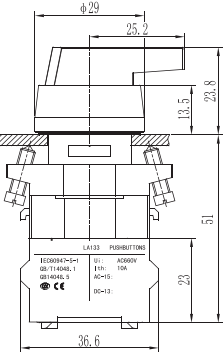

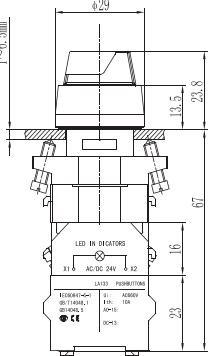

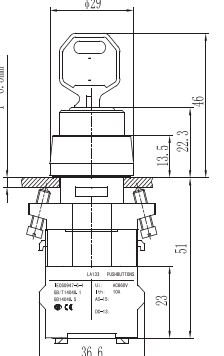
◆ Description

- 1.Contact Code is filled in □, voltage in ■, color code in ▲ .
2. Use bright & solid color of LED for Illuminated Pushbutton. .
3. A1 can be changed into A2 when L2 bracket is necessary on request.
4. A can be changed into a when black pushbutton is necessary on request.

Name	Pattern	Working	Model	Color	Voltage	Dimension
Mushroom pushbutton		Momentary Maintained	LA133-A1.M/□▲ LA133-A1.MS/□▲	● R ● G ● Y ○ W ● S ● B		
Illuminated mushroom pushbutton		Momentary Maintained	LA133-A1.MD/□■▲ LA133-A1.MDS/□■▲	● R ● G ● Y ○ W ● S	DC · AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Emergency stop pushbutton		Maintained when pressing button, return after clockwise rotation	LA133-A1.J/□▲	● R ● Y		


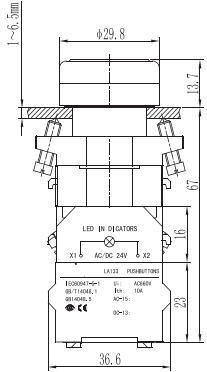

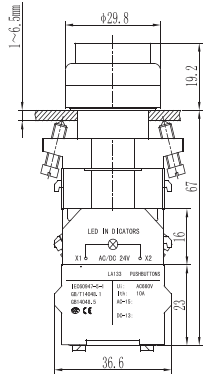

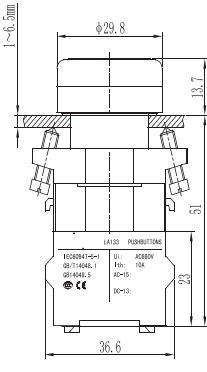

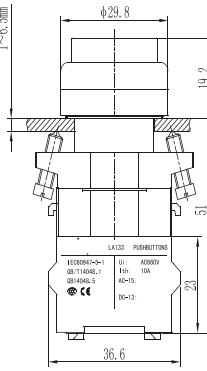
◆ Description

- 1.Contact Code is filled in □, voltage in ■, color code in ▲ .
2. Use bright & solid color of LED for Illuminated Pushbutton. .
3. A1 can be changed into A2 when L2 bracket is necessary on request.
4. A can be changed into a when black pushbutton is necessary on request.

Name	Pattern	Model	Color	Voltage	Dimension
Short lever rotary selector		Two-position 0 90° LA133-A1.X2S/□▲	● R ● G ● Y ● S		
		Three-position 45° 0 45° LA133-A1.X3S/□▲			
		45° 0 45° LA133-A1.X3/□▲			
		45° 0 45° LA133-A1.X3SR/□▲			
Long lever rotary selector		Two-position 0 90° LA133-A1.XL2S/□▲	● R ● G ● Y ● S		
		Three-position 45° 0 45° LA133-A1.XL3S/□▲			
		45° 0 45° LA133-A1.XL3/□▲			
		45° 0 45° LA133-A1.XL3SR/□▲			
Illuminated rotary		Two-position 0 90° LA133-A1.XD2S/□■▲ 0 45° LA133-A1.XD24S/□■▲ 0 45° LA133-A1.XD24/□■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
		Three-position 45° 0 45° LA133-A1.XD3S/□■▲			
		45° 0 45° LA133-A1.XD3/□■▲			
		45° 0 45° LA133-A1.XD3SR/□■▲			
Keylock switch		Two-position 0 90° LA133-A1.Y2S/□		Key in 0 can be removed, if want take out in other locations, should be indicated on the orders	
		Three-position 45° 0 45° LA133-A1.Y3S/□			
		45° 0 45° LA133-A1.Y3/□			
		45° 0 45° LA133-A1.Y3SR/□			
		45° 0 45° LA133-A1.Y3SL/□			


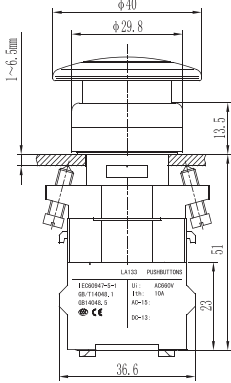

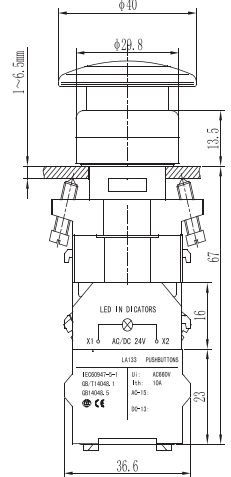

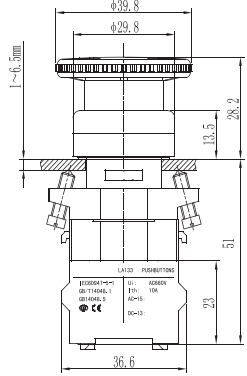
◆ Description

- Contact Code is filled in □, voltage in , color code in
- Use bright & solid color of LED for Illuminated Pushbutton. .
- A1 can be changed into A2 when L2 bracket is necessary on request.
- A can be changed into a when black pushbutton is necessary on request.

Name	Pattern	Working	Model	Color	Voltage	Dimension
Pushbutton		Momentary Maintained	LA133-B1.P/□▲ LA133-B1.PS/□▲	● R ● G ● Y ○ W ● S ● B		
Raised lens pushbutton		Momentary Maintained	LA133-B1.T/□▲ LA133-B1.TS/□▲	● R ● G ● Y ○ W ● S ● B		
Illuminated pushbutton		Momentary Maintained	LA133-B1.PD/□■▲ LA133-B1.PDS/□■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Illuminated raised lens pushbutton		Momentary Maintained	LA133-B1.TD/□■▲ LA133-B1.TDS/□■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	


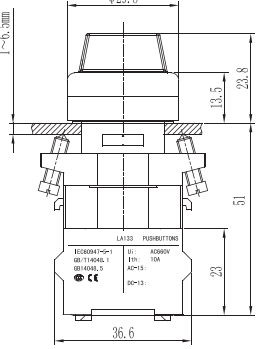

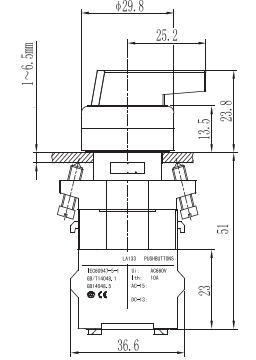

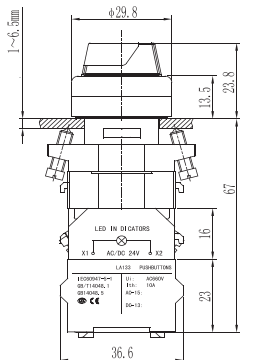

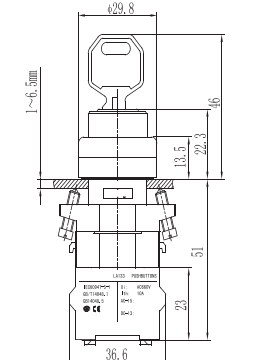
◆ Description

- 1.Contact Code is filled in □,voltage in ■,color code in ▲.
- 2.Use bright & solid color of LED for Illuminated Pushbutton.
- 3.B1 can be changed into B2 when L2 bracket is necessary on request.

Name	Pattern	Working	Model	Color	Voltage	Dimension
Mushroom pushbutton		Momentary Maintained	LA133-B1.M/□▲ LA133-B1.MS/□▲	● R ● G ● Y ○ W ● S ● B		
Illuminated mushroom pushbutton		Momentary Maintained	LA133-B1.MD/□■▲ LA133-B1.MDS/□■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Emergency stop pushbutton		Maintained when pressing button, return after clockwise rotation	LA133-B1.J/□▲	● R ● Y		


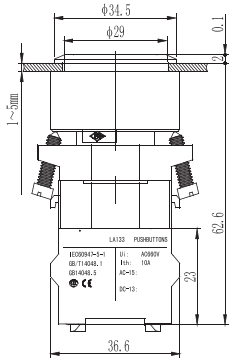

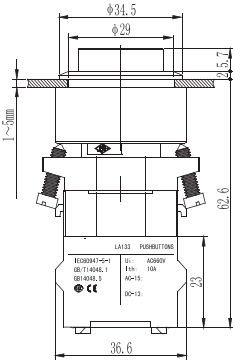

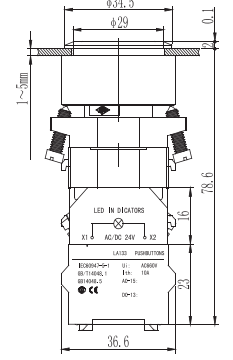

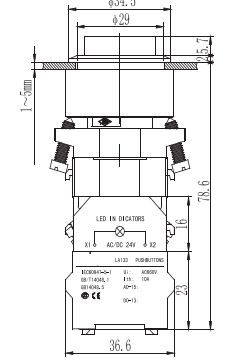
◆ Description

1. Contact Code is filled in □, voltage in ■, color code in ▲.
2. Use bright & solid color of LED for Illuminated Pushbutton.
3. B1 can be changed into B2 when L2 bracket is necessary on request.

Name	Pattern	Model		Color	Voltage	Dimension
Short lever rotary selector		Two-position	0 90° LA133-B1.X2S/□▲	● R ● G ● Y ● S		
		Three-position	45° 0 45° LA133-B1.X3S/□▲			
			45° 0 45° LA133-B1.X3/□▲			
			45° 0 45° LA133-B1.X3SR/□▲			
			45° 0 45° LA133-B1.X3SL/□▲			
Long lever rotary selector		Two-position	0 90° LA133-B1.XL2S/□▲	● R ● G ● Y ● S		
		Three-position	45° 0 45° LA133-B1.XL3S/□▲			
			45° 0 45° LA133-B1.XL3/□▲			
			45° 0 45° LA133-B1.XL3SR/□▲			
			45° 0 45° LA133-B1.XL3SL/□▲			
Illuminated rotary		Two-position	0 90° LA133-B1.XD2S/□■▲ 0 45° LA133-B1.XD24S/□■▲ 0 45° LA133-B1.XD24/□■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
		Three-position	45° 0 45° LA133-B1.XD3S/□■▲			
			45° 0 45° LA133-B1.XD3/□■▲			
			45° 0 45° LA133-B1.XD3SR/□■▲			
			45° 0 45° LA133-B1.XD3SL/□■▲			
Keylock switch		Two-position	0 90° LA133-B1.Y2S/□			
		Three-position	45° 0 45° LA133-B1.Y3S/□			
			45° 0 45° LA133-B1.Y3/□			
			45° 0 45° LA133-B1.Y3SR/□			
			45° 0 45° LA133-B1.Y3SL/□			


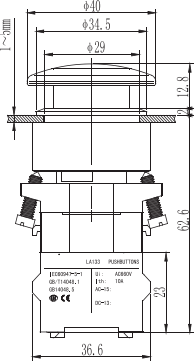

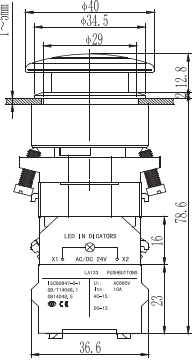

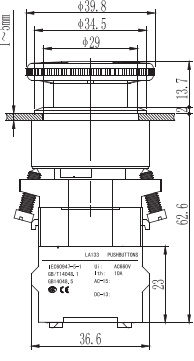

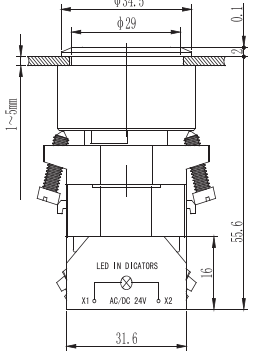
◆ Description

- Contact Code is filled in □, voltage in ■, color code in ▲.
- Use bright & solid color of LED for Illuminated Pushbutton.
- B1 can be changed into B2 when L2 bracket is necessary on request.

Name	Pattern	Working	Model	Color	Voltage	Dimension
pushbutton		Momentary Maintained	LA133-E1.P/□▲ LA133-E1.PS/□▲	<ul style="list-style-type: none"> ● R ● G ● Y ○ W ● S ● B 		
Raised lens pushbutton		Momentary Maintained	LA133-E1.T/□▲ LA133-E1.TS/□▲	<ul style="list-style-type: none"> ● R ● G ● Y ○ W ● S ● B 		
Illuminated pushbutton		Momentary Maintained	LA133-E1.PD/□■▲ LA133-E1.PDS/□■▲	<ul style="list-style-type: none"> ● R ● G ● Y ○ W ● S 	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Illuminated raised lens pushbutton		Momentary Maintained	LA133-E1.TD/□■▲ LA133-E1.TDS/□■▲	<ul style="list-style-type: none"> ● R ● G ● Y ○ W ● S 	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	


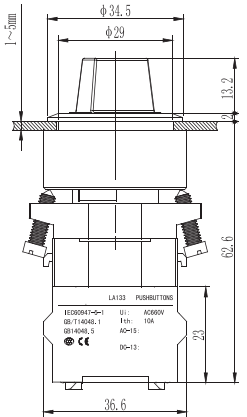

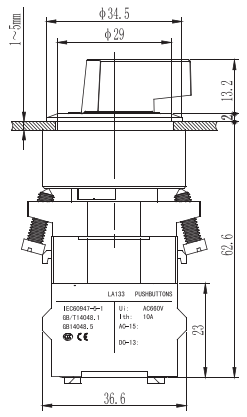

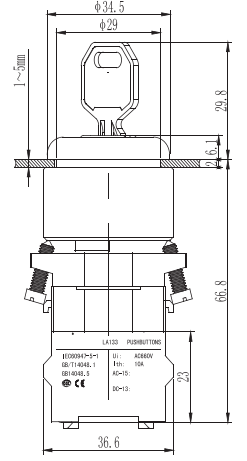
◆ Description

1. Contact Code is filled in □, voltage in ■, color code in ▲.
2. Use bright & solid color of LED for Illuminated Pushbutton.
3. E1 can be changed into E2 when L2 bracket is necessary on request.
4. A can be changed into a when black pushbutton is necessary on request.

Name	Pattern	Working	Model	Color	Voltage	Dimension
Mushroom pushbutton		Momentary Maintained	LA133-E1.M/□▲ LA133-E1.MS/□▲	● R ● G ● Y ○ W ● S ● B		
Illuminated mushroom pushbutton		Momentary Maintained	LA133-E1.MD/□■▲ LA133-E1.MDS/□■▲	● R ● G ● Y ○ W ● S ● B	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Emergency stop pushbutton		Maintained when pressing button, return after clockwise rotation	LA133-E1.J/□▲	● R ● Y		
Indicator		Illuminated	LA133-E1.D/■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	

◆ Description

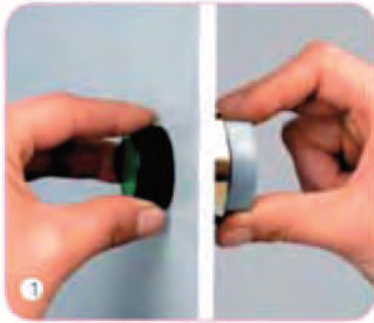
- 1.Contact Code is filled in □,voltage in ■,color code in ▲.
- 2.Use bright & solid color of LED for Illuminated Pushbutton.
- 3.E1 can be changed into E2 when L2 bracket is necessary on request.
- 4.A can be changed into a when black pushbutton is necessary on request.

Name	Pattern	Model	Color	Voltage	Dimension
Short lever rotary selector		Two-position 0 90° LA133-E1.X2S/□▲	● R ● G ● Y ● S		
		Three-position 45° 0 45° LA133-E1.X3S/□▲			
		45° 0 45° LA133-E1.X3/□▲			
		45° 0 45° LA133-E1.X3SR/□▲			
		45° 0 45° LA133-E1.X3SL/□▲			
Long lever rotary selector		Two-position 0 90° LA133-E1.XL2S/□▲	● R ● G ● Y ● S		
		Three-position 45° 0 45° LA133-E1.XL3S/□▲			
		45° 0 45° LA133-E1.XL3/□▲			
		45° 0 45° LA133-E1.XL3SR/□▲			
		45° 0 45° LA133-E1.XL3SL/□▲			
Keylock switch		Two-position 0 90° LA133-E1.Y2S/□		Key in 0 can be removed, if want take out in other locations, should be indicated on the orders	
		45° 0 45° LA133-B1.Y3S/□			
		45° 0 45° LA133-B1.Y3/□			
		Three-position 45° 0 45° LA133-B1.Y3SR/□			
		45° 0 45° LA133-B1.Y3SL/□			

◆ Description

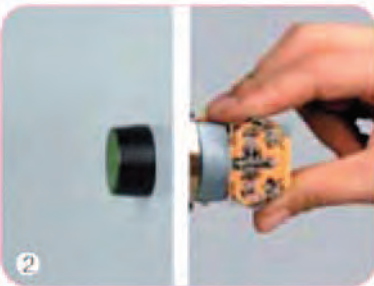
- 1.Contact Code is filled in □,voltage in ■,color code in ▲.
- 2.Use bright & solid color of LED for Illuminated Pushbutton.
- 3.E1 can be changed into E2 when L2 bracket is necessary on request.
- 4.A can be changed into a when black pushbutton is necessary on request.

◆ LA133-A Series



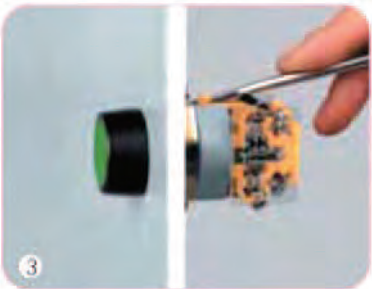
1. Insert the operator in the mounting hole from the front of panel, then bracket from the back of panel. Fasten the screws (not too strong, max. torque is 25N-cm). When the panel is plastic and other non-metal material, F1 can be put at the back of the panel. When the mounting hole is 25mm, F2 can be mounted together with bracket. For FL1 type, the contact block can be mounted together with bracket. For FL2 type, the contact block should be disassembled, then assemble the bracket.

Note: If it doesn't work smoothly after mounting, please adjust both tightening screws to keep balance.



2. Contact block can be directly fastened, the symbol parts can be mounted in the front of panel. Please fasten lamp holder before the contact block as mounting illuminated buttons.

Note: Please check the buckles of contact block after mounting.



3. Disassembly the contact block and lamp holder, please screwdriver to lift the buckles of the mounting system. The mounted parts can be easily disassembled.

◆ Contact labelling

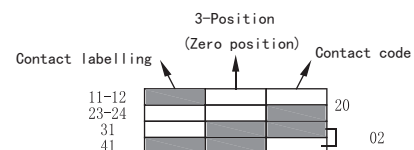
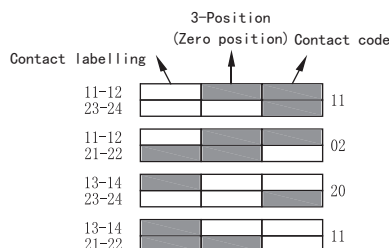
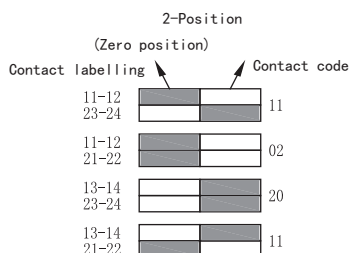
A&B series normal pushbutton, illuminated pushbutton, key selector and selector
 A&B series mushroom pushbutton&long lever rotary selector
 E series normal pushbutton, illuminated pushbutton, key selector and selector
 E series mushroom pushbutton&long lever rotary selector

◆ Mounting hole size

A, B, illuminated, key&rotary pushbutton.	A, B mushroom&long-handle rotary pushbutton	E, illuminated, key&rotary pushbutton.	E, mushroom&long-handle rotary pushbutton.

E, mushroom & long-handle rotary pushbutton.

◆ Function diagram of selectors and key selectors



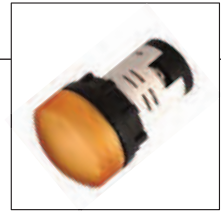
Instruction
 ■ In a state of closing
 □ In a state of breaking
 (Zero position): In a state of nature

Name	Pattern	Model	Material	Instruction
Bracket		LA133-FL1	Zn+PBT	For fixing pushbutton
		LA133-FL2	PBT	For fixing pushbutton
Contact block	Snap-action 	LA133-FC-K10 LA133-FC-K01 LA133-FC-K11 LA133-FC-K02 LA133-FC-K20	PC	Screw terminal, snap-action with silver self-cleaning contacts. 2-digit figure in the model express NO & NC quantity of contacts.
	Slow-make 	LA133-FC-H10 LA133-FC-H01 LA133-FC-H11 LA133-FC-H02 LA133-FC-H20	PC	Screw terminal, snap-action with self-cleaning contacts. 2-digit figure in the model express NO & NC quantity of contacts.
Lamp element		LA133-FL/■▲	PA	Installed between bracket and contact block for illuminated pushbutton. State colour in ■ and voltage category code in ▲.
Small Nameplate		LA133-FT1	Plastic	Hang on pushbutton or indicator symbol or explanation.
Big Nameplate		LA133-FT2	Plastic	Hang on pushbutton or indicator for symbol or explanation.

Name	Pattern	Model	Material	Application
φ22 Mounting ring		LA133-F1	Fe	Installed on plastic panel to strengthen mounting.
φ22 Panel plug		LA133-F3	ABS	Fill up the redundant panel cut-outs making it seem more beautiful.
Protective membrane		LA133-F4	silicon gel	Always on the head of operators. Waterproof and dustproof, IP67
Emergency stop Warning plate		LA133-F5	ABS	Installed behind the emergency-off button as an eye-catcher.
Protective cover		LA133-F6	PC	Protective cover for round pushbutton. Preventing collision & wrong operation. Can be locked.
Rotary protective cover		LA133-F7	PC	Preventing collision & wrong operation. Can be locked.
Pushbutton box [Enclosure]		1hole : YBOX-1 2holes : YBOX-2 3holes : YBOX-3 4holes : YBOX-4	ABS	Cased the switch or illumination according to customers' requirements.

◆ Introduction

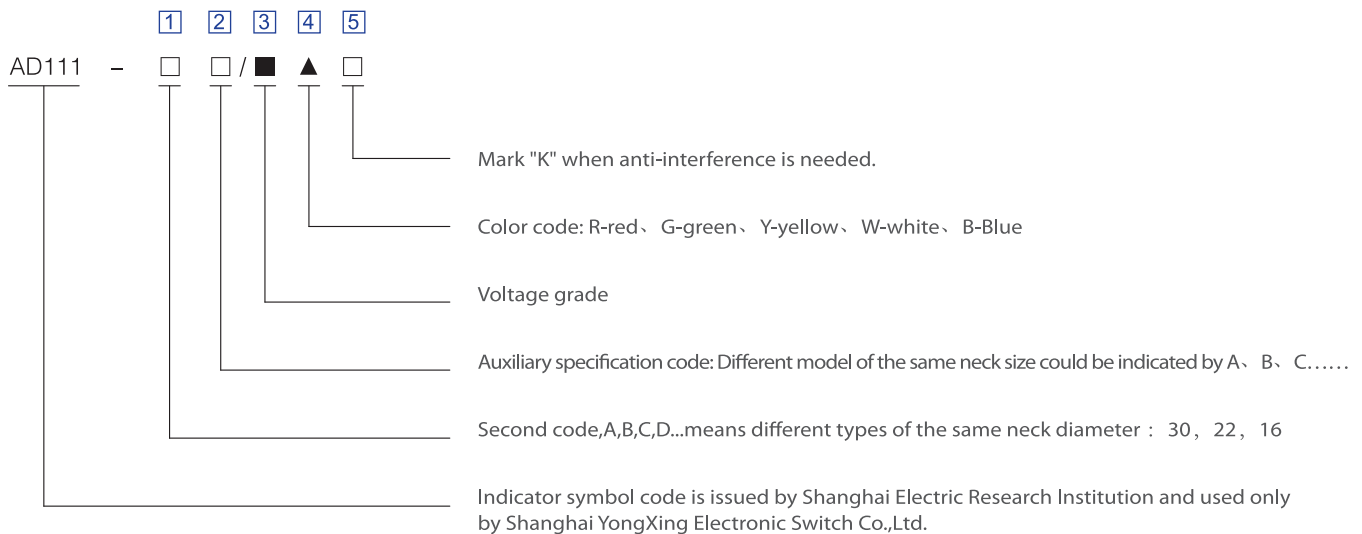
Adopted bright & solid color of LED for Illumination. AD111 series indicator take the replacement of Filament lamp and Neon light, which has long lifetime, low energy consumption, light weight & volume. Have won the majority of users by the characteristics of brightness, reliability, attractive appearance and ingenious. In order to satisfied the improving taste of our custoemrs, a seris new items have been developed, such as AD111-22B/C/D, double colored light, position indicator, flashing buzzer and mini-short indicator. Appearance design just like that of LA133 series' style. Relative international standard symbol can be engraved inside the lamp shade which is made by high strength polycarbonate, featureded by good anti-impulsive. Inner-screw connection, more safety & convenient. All these combination contribute to your perfect usage..



Instruction

Adopted bright LED chip as its light source, AD111 series indicator can be used as signal in the electronic control circuits of machine tool,machinery, grid, teleco, ships, metallurgy & chemical industries etc, between 50 HZor 60HZ AC, 440V AC and 380V DC. Adopted bright & solid color of LED for Illumination. AD111 series of buttons used as control illumination & interlocking switch etc.for AC 50HZ or 60HZ (special frequency can be made), voltage rage from AC 600V to DC 400V of CNC machine, and Mechanical , Electrical, Telecommunications, Shipbuilding, Metallurgy, Chemical switch of electrical control devices,

◆ Model



◆ ③ Voltage code of indicator

Illumination	LED(Light-emitting Diode)		
	Power supply	DC • AC	AC
Voltage	6V 12V 24V 36V 48V 110V 220V 380V	110V 220V 380V	380V

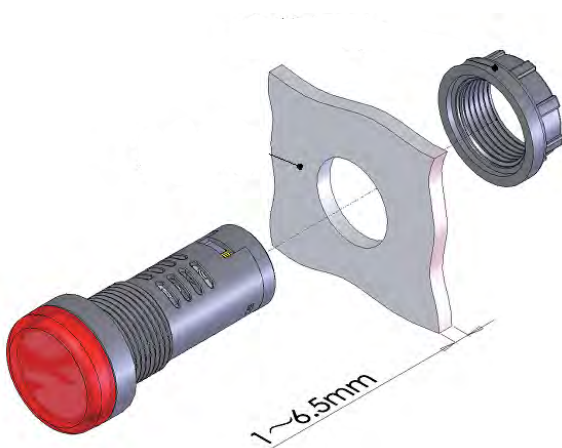
◆ Working condition

1. Ambient temperature:-25°C ~ +55°C;
2. Relative humidity:≤98%
3. Normally workable when vibration frequency is 2-80Hz with acceleration of 0.7g.
4. Pollution degree is3,Inatallation group is III .
5. One with "TH" mark can work in the conditioan of moist heat.

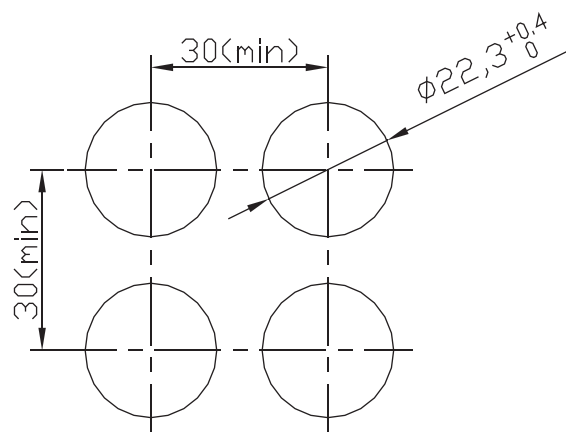
◆ Technical data


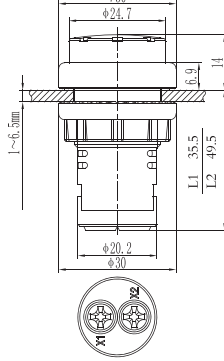

- 1.Power frequency with stand voltage:2.5KV per minite.(effective AC value)
- 2.Insulation resistance:≥2MΩ
- 3.Allowable voltage fluctuation:±20%
- 4.Continuous operating life≥30000H
- 5.Brightness ≥100cd/m2
- 6.CTI≥100
- 7.Protective degreee of the head IP65,IP67 is available on request
- 8.Applying frequency:AC50 ~ 60Hz

◆ Installation Diagram




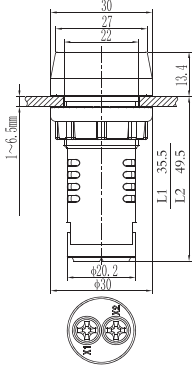

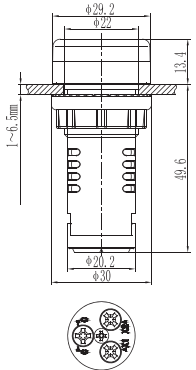

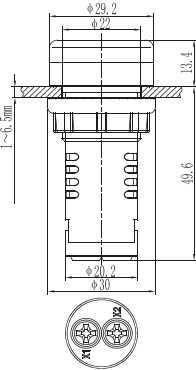

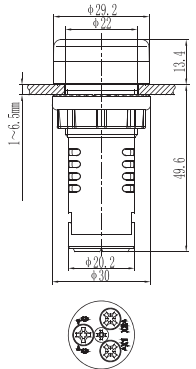
◆ Intensive installation start size



Name	Pattern	Action	Model	Color	Voltage	Dimension
22A type		Illuminating Flashy	AD111-22A/■▲ AD111-22SA/■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
22B type		Illuminating Flashy	AD111-22B/■▲ AD111-22SB/■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
22C type		Illuminating Flashy	AD111-22C/■▲ AD111-22SC/■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
22D type		Illuminating Flashy	AD111-22D/■▲ AD111-22SD/■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	

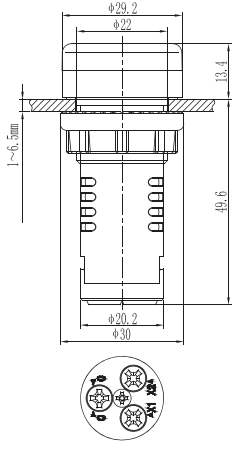

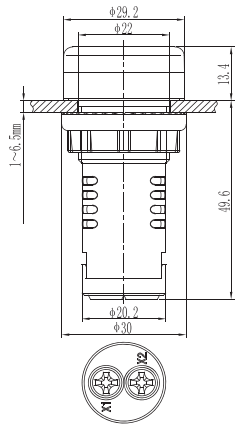

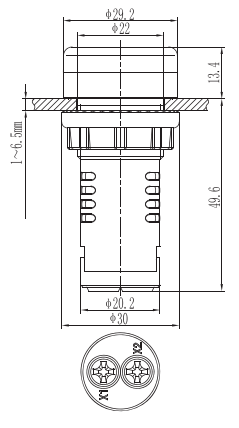
Description

1. Filled voltage in ■, color in ▲.
2. Use L1 dimension for type of 22B、22C、22D、22K when power supply is less than 48V, Use L2 dimension for type of 22B、22C、22D、22K when power supply is more than

Name	Pattern	Action	Model	Color	Voltage	Dimension
22K typ		Illuminating Flashy	AD111-22K/■▲ AD111-22SK/■▲	● R ● G ● Y ○ W ● S	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V FD 380V	
Bicolor indicator		Illuminating	AD111-22E/■▲	● R ● G	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V	
Ground making indicator		Illuminating	AD111-22JD/■▲	● R	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V	
Isolator making indicator		Illuminating	AD111-22GL/■▲▲	●● RR ●● RG	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V	

Description

1. Filled voltage in ■, color in ▲.
2. Use L1 dimension for typ of 22B、22C、22D、22K when power supply is less than 48V, Use L2 dimension for typ of 22B、22C、22D、22K when power supply is more than

Name	Pattern	Action	Model	Color	Voltage	Dimension
Breaker making indicator		Illuminating	AD111-22DL/■▲▲	● -RR ● -RG	DC • AC 6V、12V、 24V、36V、 48V、110V、 220V AC 110V、220V、 380V	
Buzzers		Continuous sound Discontinuous sound	AD111-22FML/■▲ AD111-22FM/■▲	● -B	DC • AC 12V、24V、 36V、48V、 110V、220V AC 110V、220V、 380V	
Flashing buzzer		Flashy, discontinuous sound	AD111-22SFM/■▲	● -R ● -G	DC • AC 12V、24V、 36V、48V、 110V、220V AC 110V、220V、 380V	

Description

1. Filled voltage in ■, color in ▲.
2. Use L1 dimension for typer of 22B、22C、22D、22K when power supply is less than 48V, Use L2 dimension for typer of 22B、22C、22D、22K when power supply is more than



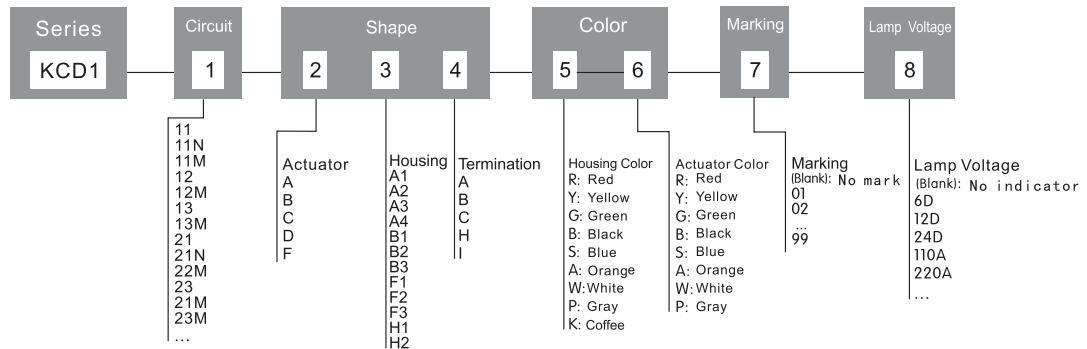
SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55 , T85 , T125
Electronic Life(cycles)	10,000

Max. Rating Current & Voltage

	16(4)A 250V AC T85
	16R(4)A 125V AC 16R(4)A 250V AC 1HP 125V AC
	16(4)A 250V AC T125, 10(4)A 250V AC T125 16(4)A 250V AC T85, 16A 250V AC

HOW TO ORDER



1 KCD1 CIRCUIT CODE

Code	Circuit	Description	Code	Circuit	Description
11		SP-ST	21		DP-ST
12		SP-DT	21N		DP-ST Illuminated
11N		SP-ST Illuminated	22		DP-DT
11M		SP-ST Momentary	22M		DP-DT Momentary
12M		SP-DT Momentary	23		DP-TT
13		SP-TT	13M		SP-TT Momentary
21M		DP-ST Momentary	23M		DP-TT Momentary

2 ACTUATOR CODE

Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description
A		Plane	B		V-Shaped	C		Arc-Shaped	D		Arc-Shaped Point Lamp	F		Arc-Shaped With Shield

3 HOUSING CODE

Code	Diagram	Panel cut out	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
A1		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>28.1^{+0.10}₀</td> <td>10.7^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>28.2^{+0.10}₀</td> <td>10.7^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>28.3^{+0.10}₀</td> <td>10.7^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	28.1 ^{+0.10} ₀	10.7 ^{+0.10} ₀	1.25~2.00	28.2 ^{+0.10} ₀	10.7 ^{+0.10} ₀	2.00~3.00	28.3 ^{+0.10} ₀	10.7 ^{+0.10} ₀	A/ B/ C/ D/ F	11M/ 12M/ 13M	A
Z	X	Y															
0.75~1.25	28.1 ^{+0.10} ₀	10.7 ^{+0.10} ₀															
1.25~2.00	28.2 ^{+0.10} ₀	10.7 ^{+0.10} ₀															
2.00~3.00	28.3 ^{+0.10} ₀	10.7 ^{+0.10} ₀															
A4		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>28.1^{+0.10}₀</td> <td>10.7^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>28.2^{+0.10}₀</td> <td>10.7^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>28.3^{+0.10}₀</td> <td>10.7^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	28.1 ^{+0.10} ₀	10.7 ^{+0.10} ₀	1.25~2.00	28.2 ^{+0.10} ₀	10.7 ^{+0.10} ₀	2.00~3.00	28.3 ^{+0.10} ₀	10.7 ^{+0.10} ₀	A/ B/ C/ D/ F	11N	A/ C
Z	X	Y															
0.75~1.25	28.1 ^{+0.10} ₀	10.7 ^{+0.10} ₀															
1.25~2.00	28.2 ^{+0.10} ₀	10.7 ^{+0.10} ₀															
2.00~3.00	28.3 ^{+0.10} ₀	10.7 ^{+0.10} ₀															
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4 TERMINATION CODE

Code	Diagram	Description
A		6.3*0.8 Standard Terminal Blocks
B		6.3*0.8 Standard Terminal Blocks
C		6.3*0.8 Welding type Terminal Blocks
H		6.3*0.8 Welding type Terminal Blocks
I		6.3*0.8 Welding type Terminal Blocks

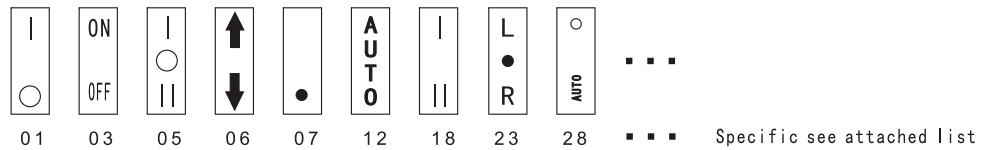
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A	K
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange	Coffee

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 MARKING



8 LAMP VOLTAGE

Lamp	LED								Neon	
	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
Code	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The main color of housing is black and white.
- The main types of illuminate switch are 220V neon lamps, and less LED products, and basically are LED DC24V.
- The printed character on the button according to customer demand, there are a few dozen kinds can be printed and published at present, usually can meet customer demand.
- The special voltage, current and color needs to be customized.

KCD1 EXAMPLE



KCD1-21N-CB1A-B-GR-01-220A



KCD1-21N-DB2A-B-GR-220A



KCD1-11N-CH1H-S-A-03-110A



KCD1-12-CF2B-B-G



KCD1-11-FA4A-B-R-03



KCD1-12-AA1A-B-R



KCD1-13-CA1A-B-B-05



KCD1-11-CF2B-B-B-01



KCD1-12-BA1A



KCD1-12-DA1A-B-R

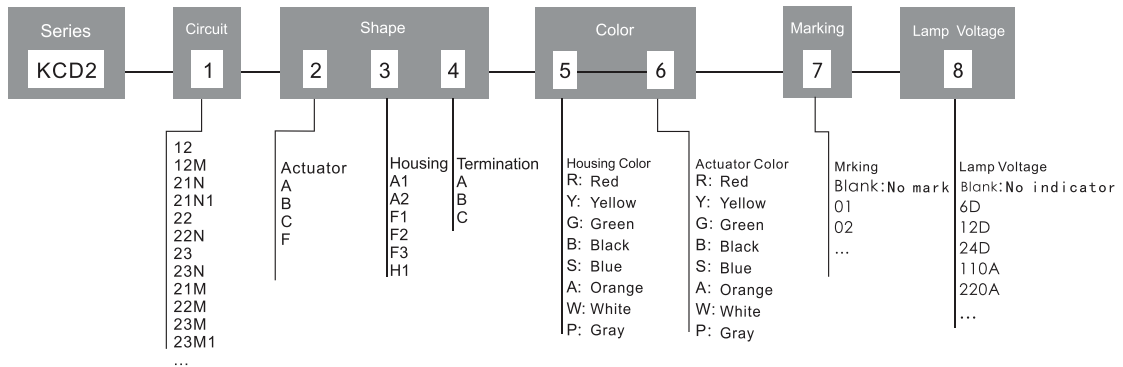
Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.



SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55 , T85 , T125
Electronic Life(cycles)	10,000
Max. Rating Current & Voltage	
	16(4)A 250V AC T85
	16R(4)A 125V AC 16R(4)A 250V AC 1HP 125V AC
	16(4)A 250V AC T125, 10(4)A 250V AC T125 16(4)A 250V AC T85, 16A 250V AC

HOW TO ORDER ORDER



1 KCD2 CIRCUIT CODE

Code	Circuit	Description	Code	Circuit	Description
12		SP-DT	23		DP-TT
12M		SP-DT Momentary	23N		DP-TT Illuminated
21		DP-ST	21M		DP-ST Momentary
21N		DP-ST Illuminated	22M		DP-DT Return
21N1		DP-ST Illuminated	23M		DP-TT Double Momentary
22		DP-DT	23M1		DP-TT Single Momentary
22N		DP-DT Illuminated	21NM		DP-ST Illuminated Momentary
22NM		DP-DT Illuminated Momentary			

2 ACTUATOR CODE

Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description
A		Plane	B		V-Shaped	C		Arc-Shaped	F		Arc-Shaped With Shield

3 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
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0.75~1.25	28.0 ^{+0.10} ₀	22.1 ^{+0.10} ₀															
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2.00~3.00	28.2 ^{+0.10} ₀	22.1 ^{+0.10} ₀															
H1		 Z: Panel Thickness <table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>27.9^{+0.10}₀</td> <td>22.1^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>28.0^{+0.10}₀</td> <td>22.1^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>28.1^{+0.10}₀</td> <td>22.1^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	27.9 ^{+0.10} ₀	22.1 ^{+0.10} ₀	1.25~2.00	28.0 ^{+0.10} ₀	22.1 ^{+0.10} ₀	2.00~3.00	28.1 ^{+0.10} ₀	22.1 ^{+0.10} ₀	A/ B/ C/ F	21/ 21N1/ 21M/ 21N/ 21NM	A/ C
Z	X	Y															
0.75~1.25	27.9 ^{+0.10} ₀	22.1 ^{+0.10} ₀															
1.25~2.00	28.0 ^{+0.10} ₀	22.1 ^{+0.10} ₀															
2.00~3.00	28.1 ^{+0.10} ₀	22.1 ^{+0.10} ₀															

4 TERMINAL CODE

Code	Diagram	Description
A		6.3*0.8 Standard Terminal Blocks
B		6.3*0.8 Standard Terminal Blocks
C		6.3*0.8 Standard Terminal Blocks

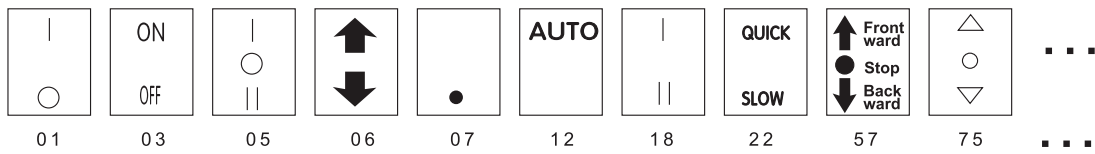
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 MARKING



Specific see attached list

8 LAMP VOLTAGE

Lamp	LED							Neon		
Voltage	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
Code	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The main color of housing is black and white.
- The main types of illuminate switch are 220V neon lamps, and less LED products, and basically are LED DC24V.
- The printed character on the button according to customer demand, there are a few dozen kinds can be printed and published at present, usually can meet customer demand.
- The special voltage, current and color needs to be customized.

KCD2 EXAMPLE



KCD2-22-CA1A-B-B-01



KCD2-22-CA1A-B-G-01



KCD2-23-CA1A-B-B-75



KCD2-22-BA1A-W-G



KCD2-22-AA1A-B-R



KCD2-21-CA1A-B-B-01



KCD2-21-BA1A-W-Y-01



KCD2-22-AA1A-W-G



KCD2-22-CA1A-B-R-01



KCD2-21-CA1A-B-R-01



KCD2-21-FA1A-B-B-01



KCD2-21-CF1B-B-G



KCD2-21-CF2B-B-R



KCD2-22-CF2B-B-B

Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.



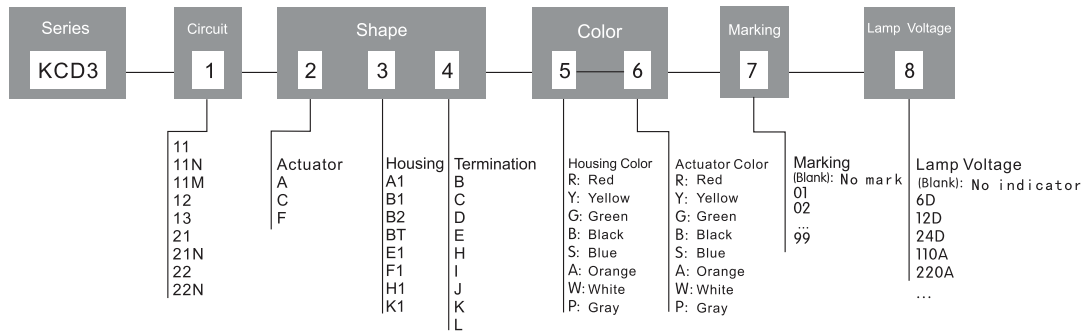
SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55 , T105
Electronic Life(cycles)	10,000

Max. Rating Current & Voltage

	10(3)A 250V AC T85
	6(3)A 250V AC T85
	15R(3) 125V AC 10R(3) 250V AC
	1/3HP 125V AC
	10(3)A 250V AC T105, 6(3)A 250V AC T105
	6A 250V AC, 4A 250V AC T105

HOW TO ORDER



1 CIRCUIT CODE

Code	Circuit	Description	Code	Circuit	Description
11	ON - OFF 	SP-ST	21	ON - OFF 	DP-ST
12	ON - ON 	SP-DT	21N	ON - OFF 	DP-ST Illuminated
11N	ON - OFF 	SP-ST Illuminated	22	ON - ON 	DP-DT
11M	ON → OFF 	SP-ST Momentary	22N	ON - OFF - ON 	DP-DT Illuminated
13	ON - OFF - ON 	SP-TT			

2 ACTUATOR CODE

Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description
A		Plane	C		Arc-Shaped	F		Arc-Shaped With Shield

3 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
A1		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.2^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.3^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.4^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.2 ^{+0.10} ₀	13.1 ^{+0.10} ₀	1.25~2.00	19.3 ^{+0.10} ₀	13.1 ^{+0.10} ₀	2.00~3.00	19.4 ^{+0.10} ₀	13.1 ^{+0.10} ₀	C	21 / 21N / 22 / 22N	H
Z	X	Y															
0.75~1.25	19.2 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
1.25~2.00	19.3 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
2.00~3.00	19.4 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
B1		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.4^{+0.10}₀</td> <td>13.0^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.5^{+0.10}₀</td> <td>13.0^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.6^{+0.10}₀</td> <td>13.0^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.4 ^{+0.10} ₀	13.0 ^{+0.10} ₀	1.25~2.00	19.5 ^{+0.10} ₀	13.0 ^{+0.10} ₀	2.00~3.00	19.6 ^{+0.10} ₀	13.0 ^{+0.10} ₀	C	11/11N/ 11M/ 12/13	B/ I/ J/ K
Z	X	Y															
0.75~1.25	19.4 ^{+0.10} ₀	13.0 ^{+0.10} ₀															
1.25~2.00	19.5 ^{+0.10} ₀	13.0 ^{+0.10} ₀															
2.00~3.00	19.6 ^{+0.10} ₀	13.0 ^{+0.10} ₀															
B2		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.0^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.1^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.2^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.0 ^{+0.10} ₀	13.1 ^{+0.10} ₀	1.25~2.00	19.1 ^{+0.10} ₀	13.1 ^{+0.10} ₀	2.00~3.00	19.2 ^{+0.10} ₀	13.1 ^{+0.10} ₀	C	11	B/ I/ J/ K
Z	X	Y															
0.75~1.25	19.0 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
1.25~2.00	19.1 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
2.00~3.00	19.2 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
BT		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.4^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.5^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.6^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.4 ^{+0.10} ₀	13.1 ^{+0.10} ₀	1.25~2.00	19.5 ^{+0.10} ₀	13.1 ^{+0.10} ₀	2.00~3.00	19.6 ^{+0.10} ₀	13.1 ^{+0.10} ₀	A	11M	B/ I/ J/ K
Z	X	Y															
0.75~1.25	19.4 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
1.25~2.00	19.5 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
2.00~3.00	19.6 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
E1		<p>Z: Panel Thickness <2mm</p>	C	11/ 11N/ 12	B/ I/ J/ K												
F1		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.2^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.3^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.4^{+0.10}₀</td> <td>13.1^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.2 ^{+0.10} ₀	13.1 ^{+0.10} ₀	1.25~2.00	19.3 ^{+0.10} ₀	13.1 ^{+0.10} ₀	2.00~3.00	19.4 ^{+0.10} ₀	13.1 ^{+0.10} ₀	C	11/ 12/ 13	C/ E/ L
Z	X	Y															
0.75~1.25	19.2 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
1.25~2.00	19.3 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
2.00~3.00	19.4 ^{+0.10} ₀	13.1 ^{+0.10} ₀															
H1		<p>Z: Panel Thickness <2mm</p>	A	11/ 11N	D												
K1		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.4^{+0.10}₀</td> <td>12.7^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.5^{+0.10}₀</td> <td>12.7^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.6^{+0.10}₀</td> <td>12.7^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.4 ^{+0.10} ₀	12.7 ^{+0.10} ₀	1.25~2.00	19.5 ^{+0.10} ₀	12.7 ^{+0.10} ₀	2.00~3.00	19.6 ^{+0.10} ₀	12.7 ^{+0.10} ₀	C/ F	11/ 11N	B
Z	X	Y															
0.75~1.25	19.4 ^{+0.10} ₀	12.7 ^{+0.10} ₀															
1.25~2.00	19.5 ^{+0.10} ₀	12.7 ^{+0.10} ₀															
2.00~3.00	19.6 ^{+0.10} ₀	12.7 ^{+0.10} ₀															

4 TERMINAL CODE

Code	B	C	D	E	H	I	J	K	L
Diagram									
Description	4.8*0.8 Standard Terminal	4.8*0.8 Standard Terminal	2.5*0.5 Standard Terminal	4.8*0.8 Standard Terminal	2.2*0.6 Welding type Terminal	4.8*0.8 Welding type Terminal	4.8*0.8 Welding type Terminal	1.2*0.8 Welding type Terminal	4.8*0.8 Welding type Terminal

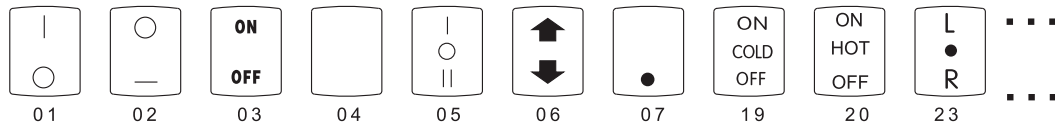
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 MARKING



8 LAMP VOLTAGE

Specific see attached list

Lamp	LED								Neon	
Voltage	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
Code	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The main color of housing is black and white.
- The main types of illuminate switch are 220V neon lamps, and less LED products, and basically are LED DC24V.
- The printed character on the button according to customer demand, there are a few dozen kinds can be printed and published at present, usually can meet customer demand.
- The special voltage, current and color needs to be customized.
- Shell code A1, B2, BT, F1, H1, K1product UL certification, UL certification with the rest of the code shell.

KCD3 EXAMPLE



Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.



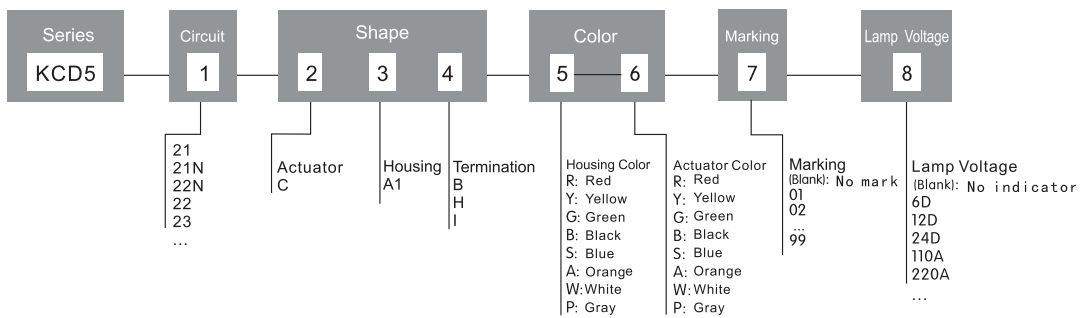
SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55
Electronic Life(cycles)	10,000

Max. Rating Current & Voltage

	6A 250V AC
	15R(3) 125V AC 10R(3) 250V AC 1/3HP 125V AC

HOW TO ORDER



1 KCD5 CIRCUIT CODE

Code	Circuit	Description	Code	Circuit	Description
21		DP-ST	22N		DP-DT Illuminated
21N		DP-ST Illuminated	23		DP-TT
22		DP-DT			

2 ACTUATOR CODE

Code	Diagram	Description
C		Arc-Shaped

3 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
A1		 Z: Panel Thickness <table border="1"> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> <tr> <td>0.75~1.25</td> <td>19.5^{+0.10}₀</td> <td>21.9^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.6^{+0.10}₀</td> <td>21.9^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.7^{+0.10}₀</td> <td>21.9^{+0.10}₀</td> </tr> </table>	Z	X	Y	0.75~1.25	19.5 ^{+0.10} ₀	21.9 ^{+0.10} ₀	1.25~2.00	19.6 ^{+0.10} ₀	21.9 ^{+0.10} ₀	2.00~3.00	19.7 ^{+0.10} ₀	21.9 ^{+0.10} ₀	C	21/22/22N 21N/23	B/ H/ I
Z	X	Y															
0.75~1.25	19.5 ^{+0.10} ₀	21.9 ^{+0.10} ₀															
1.25~2.00	19.6 ^{+0.10} ₀	21.9 ^{+0.10} ₀															
2.00~3.00	19.7 ^{+0.10} ₀	21.9 ^{+0.10} ₀															

4 TERMINAL CODE

Code	B	H	I
Diagram			
Description	4.8*0.8 Standard	4.8*0.8 Welding type	4.8*0.8 Welding type

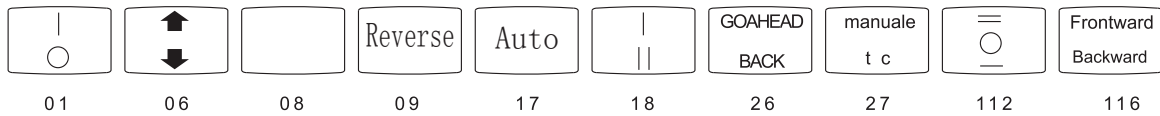
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 Marking



Specific see attached list

8 LAMP VOLTAGE

Lamp	LED								Neon	
	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
Code	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The shell main color is black and white.
- The main types of illuminate switch are 220V neon lamps, and less led products, and basically are led DC24V.
- The printed character on the button according to customer demand, there are a few dozen kinds can be printed and published at present, usually can meet customer demand.
- The special voltage, current and color needs to be customized.

EXAMPLE



KCD5-21-CA1B-B-R-01



KCD5-21-CA1B-B-B-01



KCD5-23-CA1B-B-B-112



KCD5-22-CA1B-W-R-01



KCD5-22-CA1B-B-B-01



KCD5-21-CA1B-W-W-01



KCD5-21-CA1B-B-G-01



KCD5-22-CA1B-B-G-01

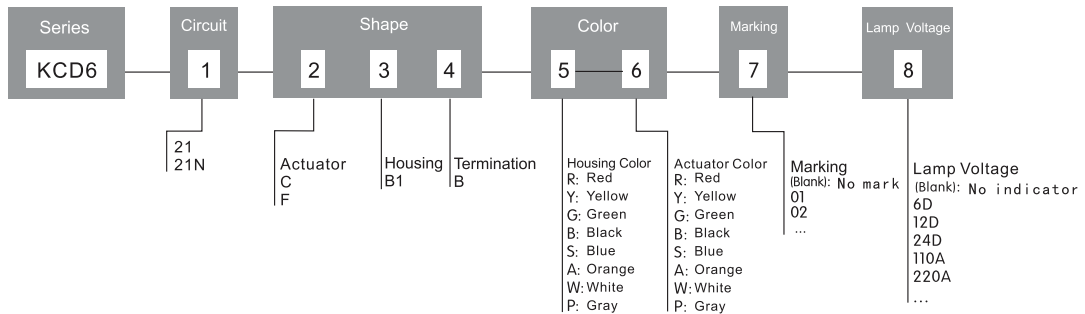
Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.



SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55
Electronic Life(cycles)	10,000
Max. Rating Current & Voltage	
	6A 250V AC

HOW TO ORDER



1 KCD6 CIRCUIT CODE

Code	Circuit	Description
21	ON - OFF 	DP-ST
21N	ON - OFF 	DP-ST Illuminated


2 ACTUATOR CODE

Code	Diagram	Description
C		Arc-Shaped
F		Arc-Shaped With Shield

3 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
B1		<p>Z: Panel Thickness</p> <table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.4^{+0.10}₀</td> <td>13.0^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.5^{+0.10}₀</td> <td>13.0^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.6^{+0.10}₀</td> <td>13.0^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.4 ^{+0.10} ₀	13.0 ^{+0.10} ₀	1.25~2.00	19.5 ^{+0.10} ₀	13.0 ^{+0.10} ₀	2.00~3.00	19.6 ^{+0.10} ₀	13.0 ^{+0.10} ₀	C/ F	21/ 21N	B
Z	X	Y															
0.75~1.25	19.4 ^{+0.10} ₀	13.0 ^{+0.10} ₀															
1.25~2.00	19.5 ^{+0.10} ₀	13.0 ^{+0.10} ₀															
2.00~3.00	19.6 ^{+0.10} ₀	13.0 ^{+0.10} ₀															

4 TERMINAL CODE

Code	B
Diagram	
Description	4.8*0.8 Standard

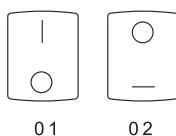
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 Marking



Specific see attached list

8 LAMP VOLTAGE

Lamp	LED								Neon	
Voltage	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
Code	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The main color of housing is black and white.
- The main types of illuminate switch are 220V neon lamps, and less LED products, and basically are LED DC24V.
- The printed character on the button according to customer demand, there are a few dozen kinds can be printed and published at present, usually can meet customer demand.
- The special voltage, current and color needs to be customized.

KCD6 EXAMPLE



KCD6-21-CB1B-B-R-01



KCD6-21-CB1B-W-G



KCD6-21-CB1B-B-B-01



KCD6-21-CB1B-W-B



KCD6-21-FB1B-B-B-01

Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

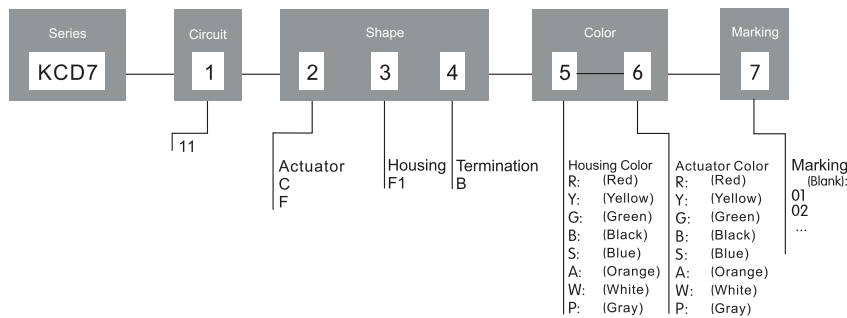
KCD7 Series Rocker Switch



SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55
Electronic Life(cycles)	10,000
Max. Rating Current & Voltage	
	6A 250V AC

HOW TO ORDER



1 KCD7 CIRCUIT CODE

Code	Circuit	Description
11	ON - OFF 	SP-ST

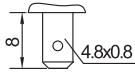
2 ACTUATOR CODE

Code	Diagram	Description
C		Arc-Shaped
F		Waterproof arc surface

3 HOUSING CODE

Code	Diagram	Panel cut out	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
F1 Waterproof		<table border="1"> <thead> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75~1.25</td> <td>19.4^{+0.10}₀</td> <td>6.5^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>19.5^{+0.10}₀</td> <td>6.5^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>19.6^{+0.10}₀</td> <td>6.5^{+0.10}₀</td> </tr> </tbody> </table>	Z	X	Y	0.75~1.25	19.4 ^{+0.10} ₀	6.5 ^{+0.10} ₀	1.25~2.00	19.5 ^{+0.10} ₀	6.5 ^{+0.10} ₀	2.00~3.00	19.6 ^{+0.10} ₀	6.5 ^{+0.10} ₀	C F	11	B
Z	X	Y															
0.75~1.25	19.4 ^{+0.10} ₀	6.5 ^{+0.10} ₀															
1.25~2.00	19.5 ^{+0.10} ₀	6.5 ^{+0.10} ₀															
2.00~3.00	19.6 ^{+0.10} ₀	6.5 ^{+0.10} ₀															

4 TERMINATION CODE

Code	B
Diagram	
Description	4.8*0.8 Standard

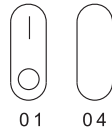
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 Marking



Specific see attached list

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The shell main color is black, white and grey.
- The printed character on the button according to customer demand.
- Color needs to be customized.

KCD7 EXAMPLE



KCD7-11-CA1A-B-R-01



KCD7-11-FF1B-B-B-01



KCD7-11-CF1B-B-R-01



KCD7-11-CF1B-B-B

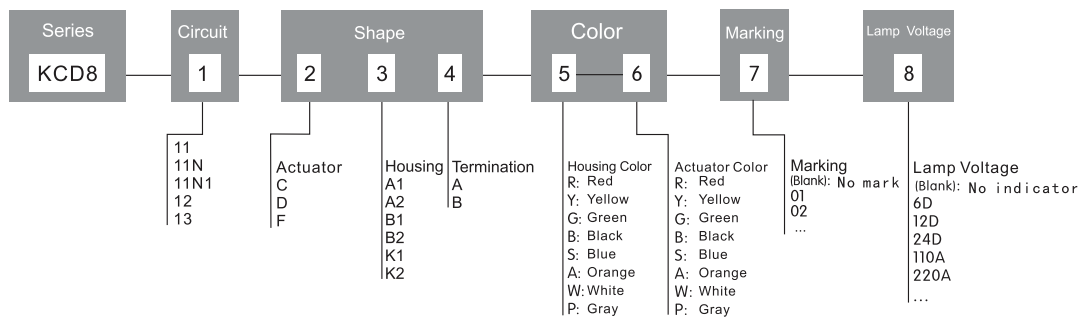
KCD8 Series Rocker Switch



SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55 , T85 , T105
Electronic Life(cycles)	10,000
Max. Rating Current & Voltage	
	6A 250V AC
	10(3)A 250V AC T105, 6(3)A 250V AC T105 6A 250V AC, 4A 250V AC T105
	15R(3) 125V AC 10R(3) 250V AC 1/3HP 125V AC

KCD8 HOW TO ORDER



1 KCD8 CIRCUIT CODE

Code	Circuit	Description	Code	Circuit	Description
11		SP-ST	11N		SP-ST Illuminated
12		SP-DT	11N1		SP-ST Illuminated
13		SP-TT			

2 ACTUATOR CODE

Code	Diagram	Description	Code	Diagram	Description
C		Arc-Shaped	D		Arc-Shaped
F		Waterproof arc surface			

3 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection		
			Actuator	Circuit	Terminal Blocks
A1		Panel Thickness <4mm 	C / D / F	11 / 11N / 11N1 / 12 / 13	A
A2		Panel Thickness <4mm 	C / D	11 / 11N / 11N1 / 12 / 13	A
B1		Panel Thickness <3mm 	C / D / F	11 / 11N / 11N1 / 12 / 13	A
B2		Panel Thickness <3mm 	C / D	11 / 11N / 11N1 / 12 / 13	A
K1		Panel Thickness <3mm 	C	11 / 11N	B
K2		Panel Thickness <4mm 	C	11 / 11N	B

4 TERMINAL CODE

Code	A	B
Diagram		
Description	4.8*0.8 Terminal	4.8*0.8 Standard

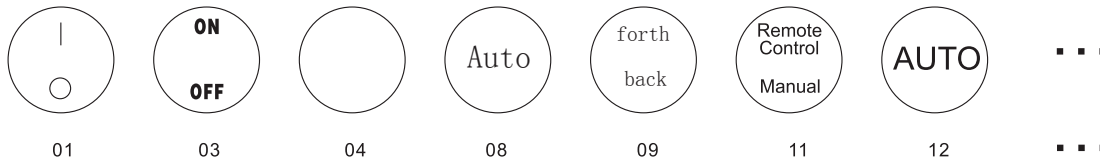
5 HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	(Gray)	Orange

6 ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	(Gray)	Orange

7 Marking



Specific see attached list

8 LAMP VOLTAGE

Lamp	LED								Neon	
Voltage	DC6V	DC12V	DC24V	AC/DC6V	AC/DC12V	AC/DC24V	AC/DC110V	AC/DC220V	AC110V	AC220V
Code	DC 6	DC 12	DC 24	AC/DC6	AC/DC12	AC/DC24	AC/DC110	AC/DC220	AC 110	AC 220

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The main color of housing is black and white.
- The main types of illuminate switch are 220V neon lamps, and less LED products, and basically are LED DC24V.
- The printed character on the button according to customer demand, there are a few dozen kinds can be printed and published at present, usually can meet customer demand.
- The special voltage, current and color needs to be customized.

KCD8 EXAMPLE



KCD8-12-CA2A-B-R-01



KCD8-12-CK2B-B-R-17



KCD8-12-CA1A-B-G-01



KCD8-11-CA2A-B-B-01



KCD8-13-CB1A-B-R-112



KCD8-13-CB1A-B-B-112



KCD8-11N-CK1B-B-R-17-220A



KCD8-11N1-DA1A-B-B-220A



KCD8-12-CB1A-B-R-01



KCD8-12-CB1A-B-B-01



KCD8-11-CA1A-B-B-01



KCD8-11-CB1A-P-P-01




KCD8-13-CA1A-B-B-112



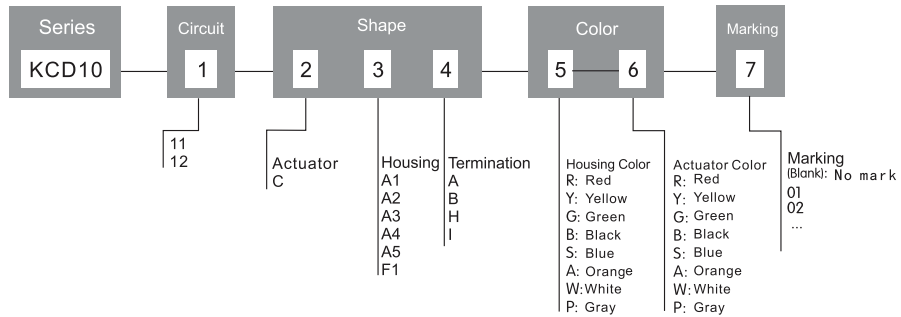
KCD8-11-FB1A-B-B





SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥1,000MΩ
Dielectric Strength	1,500V AC , 1min
Operating temperature	T55 , T85 , T105
Electronic Life(cycles)	10,000
Max. Rating Current & Voltage	
	2A 250V AC


KCD10 HOW TO ORDER



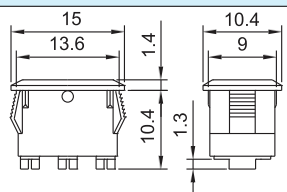
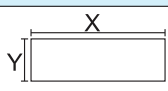
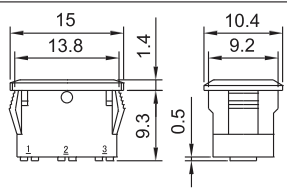
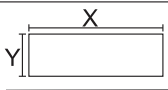
1 KCD10 CIRCUIT CODE

Code	Circuit	Description
11		SP-ST
12		SP-DT

2 ACTUATOR CODE

Code	Diagram	Description
C		Arc-Shaped

3 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
A1		 Z: Panel Thickness <table border="1"> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> <tr> <td>0.75~1.25</td> <td>13.7^{+0.10}₀</td> <td>9.1^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>13.8^{+0.10}₀</td> <td>9.1^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>13.9^{+0.10}₀</td> <td>9.1^{+0.10}₀</td> </tr> </table>	Z	X	Y	0.75~1.25	13.7 ^{+0.10} ₀	9.1 ^{+0.10} ₀	1.25~2.00	13.8 ^{+0.10} ₀	9.1 ^{+0.10} ₀	2.00~3.00	13.9 ^{+0.10} ₀	9.1 ^{+0.10} ₀	C	11/ 12	A/ H
Z	X	Y															
0.75~1.25	13.7 ^{+0.10} ₀	9.1 ^{+0.10} ₀															
1.25~2.00	13.8 ^{+0.10} ₀	9.1 ^{+0.10} ₀															
2.00~3.00	13.9 ^{+0.10} ₀	9.1 ^{+0.10} ₀															
A2		 Z: Panel Thickness <table border="1"> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> <tr> <td>0.75~1.25</td> <td>13.9^{+0.10}₀</td> <td>9.3^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>14.0^{+0.10}₀</td> <td>9.3^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>14.1^{+0.10}₀</td> <td>9.3^{+0.10}₀</td> </tr> </table>	Z	X	Y	0.75~1.25	13.9 ^{+0.10} ₀	9.3 ^{+0.10} ₀	1.25~2.00	14.0 ^{+0.10} ₀	9.3 ^{+0.10} ₀	2.00~3.00	14.1 ^{+0.10} ₀	9.3 ^{+0.10} ₀	C	11/ 12	A/ H
Z	X	Y															
0.75~1.25	13.9 ^{+0.10} ₀	9.3 ^{+0.10} ₀															
1.25~2.00	14.0 ^{+0.10} ₀	9.3 ^{+0.10} ₀															
2.00~3.00	14.1 ^{+0.10} ₀	9.3 ^{+0.10} ₀															

Code	Diagram	Panel cut out (mm)	Match the project selection														
			Actuator	Circuit	Terminal Blocks												
A3		<table border="1"> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> <tr> <td>0.75~1.25</td> <td>13.9^{+0.10}₀</td> <td>9.3^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>14.0^{+0.10}₀</td> <td>9.3^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>14.1^{+0.10}₀</td> <td>9.3^{+0.10}₀</td> </tr> </table>	Z	X	Y	0.75~1.25	13.9 ^{+0.10} ₀	9.3 ^{+0.10} ₀	1.25~2.00	14.0 ^{+0.10} ₀	9.3 ^{+0.10} ₀	2.00~3.00	14.1 ^{+0.10} ₀	9.3 ^{+0.10} ₀	C	11/ 12	A/ H
Z	X	Y															
0.75~1.25	13.9 ^{+0.10} ₀	9.3 ^{+0.10} ₀															
1.25~2.00	14.0 ^{+0.10} ₀	9.3 ^{+0.10} ₀															
2.00~3.00	14.1 ^{+0.10} ₀	9.3 ^{+0.10} ₀															
A4		Panel Thickness < 1.5mm 	C	11/ 12	A/ H												
A5		Panel Thickness < 1.3mm 	C	11/ 12	A/ H												
F1 防水型		<table border="1"> <tr> <th>Z</th> <th>X</th> <th>Y</th> </tr> <tr> <td>0.75~1.25</td> <td>13.7^{+0.10}₀</td> <td>9.0^{+0.10}₀</td> </tr> <tr> <td>1.25~2.00</td> <td>13.8^{+0.10}₀</td> <td>9.0^{+0.10}₀</td> </tr> <tr> <td>2.00~3.00</td> <td>13.9^{+0.10}₀</td> <td>9.0^{+0.10}₀</td> </tr> </table>	Z	X	Y	0.75~1.25	13.7 ^{+0.10} ₀	9.0 ^{+0.10} ₀	1.25~2.00	13.8 ^{+0.10} ₀	9.0 ^{+0.10} ₀	2.00~3.00	13.9 ^{+0.10} ₀	9.0 ^{+0.10} ₀	C	11/ 12	B/ I
Z	X	Y															
0.75~1.25	13.7 ^{+0.10} ₀	9.0 ^{+0.10} ₀															
1.25~2.00	13.8 ^{+0.10} ₀	9.0 ^{+0.10} ₀															
2.00~3.00	13.9 ^{+0.10} ₀	9.0 ^{+0.10} ₀															

4 TERMINAL CODE

Code	A	B	H	I
Diagram				
Description	3.7*0.5 Standard	2.8*0.5 Standard	3.7*0.5 Welding type	3.7*0.5 Welding type

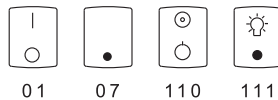
5 : HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

6 : ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 Marking



Specific see attached list

NOTE

- The operation of the button have a variety of colors , the main color is black, white, red and green.
- The shell main color is black and white. ● The printed character on the button according to customer demand.

KCD10 EXAMPLE



KCD10-11-CA1H-W-R-07



KCD10-11-CA2A-B-R-01




KCD10-12-CF11-W-R-111

KCD11 Series Rocker Switch

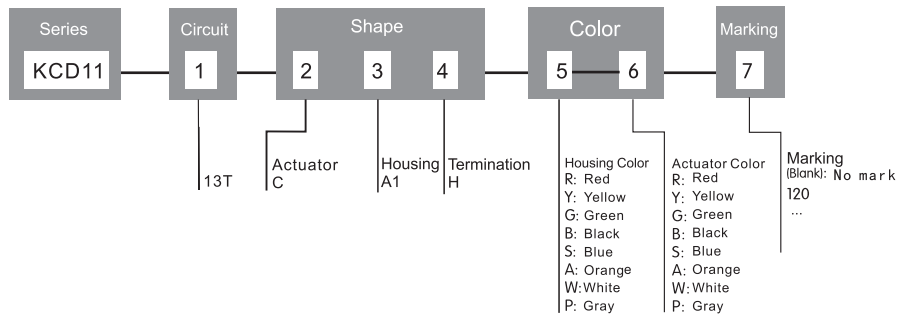
www.RelianceNorthAmerica.com



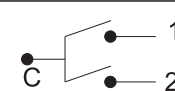
SPECIFICATION

Function	Rocker Gear Switch , Third Gear
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1500V
Mechanical Life(cycles)	>10000
Electronic Life(cycles)	10000
Amibent temperature	-0℃~105℃
Nomal position	2.5-7N
Max. Rating Current & Voltage	
 10(1)A /250V AC T105 Note: Single load 5(1)A 250VAC T105	


HOW TO ORDER



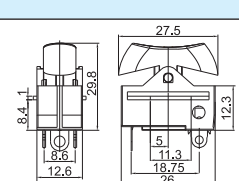
1 : CIRCUIT CODE

Code	Circuit	Note												
13T	 <table border="1" data-bbox="574 1299 734 1388"> <tr> <td></td> <td>0</td> <td>I</td> <td>II</td> </tr> <tr> <td>C-1</td> <td>OFF</td> <td>ON</td> <td>ON</td> </tr> <tr> <td>C-2</td> <td>OFF</td> <td>OFF</td> <td>ON</td> </tr> </table>		0	I	II	C-1	OFF	ON	ON	C-2	OFF	OFF	ON	SP-TT
	0	I	II											
C-1	OFF	ON	ON											
C-2	OFF	OFF	ON											

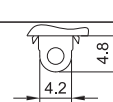
2 : ACTUATOR CODE

Code	Diagram	Note
C		Arc-Shaped

3 : HOUSING CODE

Code	Diagram	Fix Size (mm)	Match the project selection		
			Actuator	Circuit	Terminal Blocks
A1		Special installation (according to the product appearance with fixed)	C	13T	H

4 : TERMINAL

Code	H
Diagram	
Note	Standard

5 : HOUSING COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange


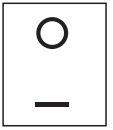


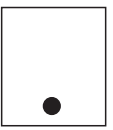
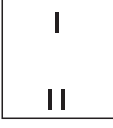


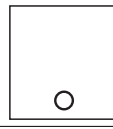


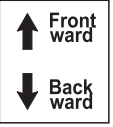

6 : ACTUATOR COLOR

Code	R	G	Y	S	W	B	P	A
Color	Red	Green	Yellow	Blue	White	Black	Gray	Orange

7 : Marking



Specific see attached list

Code	001	002	003		005	006	007	
Marking			ON OFF					
Code			011	012				
Marking			Remote Control Manual	AUTO				
Code		018	019	020		022	023	024
Marking			ON COOL OFF	ON HOT OFF		QUICK SLOW	L ● R	POWER
Code		026	027	028		030		
Marking		GOAHEAD BACK	manuale t c			ON  OFF		
Code	033	034						040
Marking		Open Auto Pass						F R
Code	041		043	044	045	046	047	
Marking	R/C Manual		Auto Manual	Auto Manal		ON C OFF	ON H OFF	
Code							055	056
Marking							OFF ON	L OFF H
Code	057	058	059	060	061	062	063	064
Marking			High Speed Stop Low Speed	▲ Pedal ▼ Remote control	▲ Forward ▼ Back	▲ Forward Stop ▼ Back	FORWARD  REVERSE	▲ FORWARD AVANT ▼ REVERSE ARRIERE

Code	065	066	067	068	069	070	071	072
Marking								
Code	073	074	075	076	077	078		
Marking								
Code								
Marking								
Code				092	093	094	095	096
Marking								
Code	097	098	099	100	101	102	103	104
Marking								
Code	105	106	107	108	109	110	111	112
Marking								
Code	113	114		116	117	118	119	120
Marking								
Code		122	123	124		126	127	128
Marking								

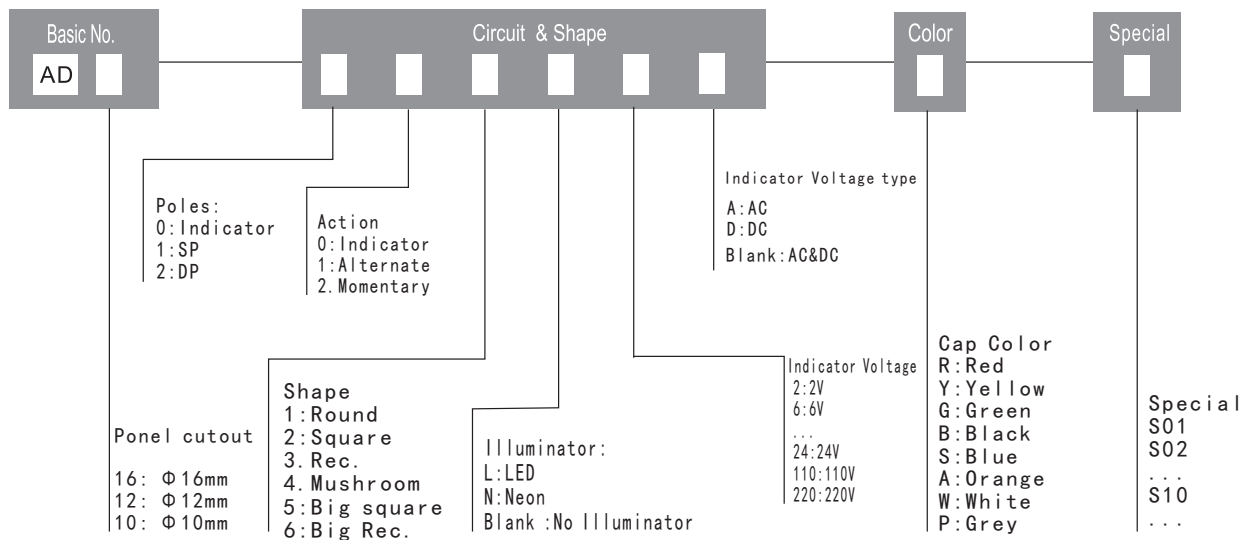
Code	129	130		132	133	135	136	
Marking	ON 4	ON 5		ON COLD OFF	— =	OFF ON	OFF ON	
Code	137	138	139	140	141	142	143	144
Marking			0 	 	Hi Low	Off On	CERRAR ABRIR	ON O R
Code		146	147	148	149	150	151	152
Marking		PEDAL REMOTE CONTROL						
Code	153	154	155	156	157	158	159	160
Marking		—	=			START		
Code	161	162	168					
Marking		 	ON OFF					
Code	169	170		172	173	174	176	
Marking	ON OFF				I ON O OFF	 A	D - R L - R	



SPECIFICATION

Max. Rating Current & Voltage(Resistive Load)	3A 250V AC
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	Momentary:50,000 Alternate:25,000
Mechanical Life(cycles)	Momentary:200,000 Alternate:50,000
Operating temperature	-5°C~+75°C
IP code	IP40

HOW TO ORDER



Example:
Switch Type : AD16-111L2D-R
Indicator Type : AD16-001L6D-R

Lighting pieces of performance indicators

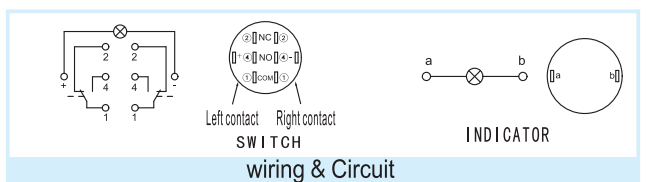
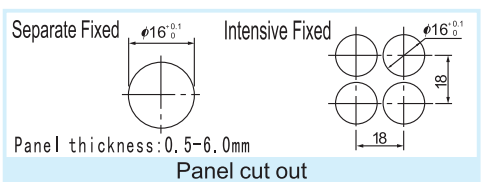
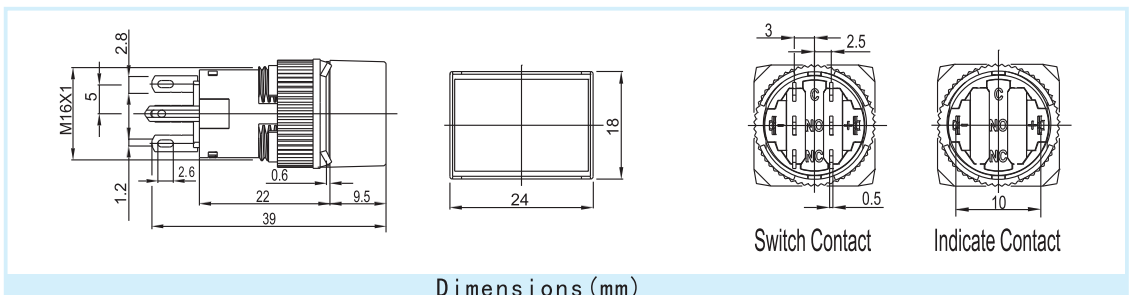
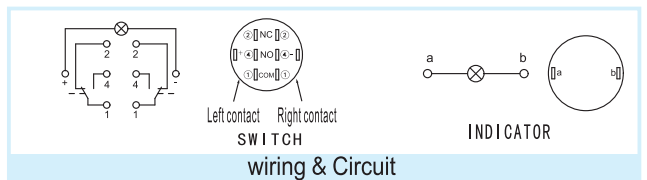
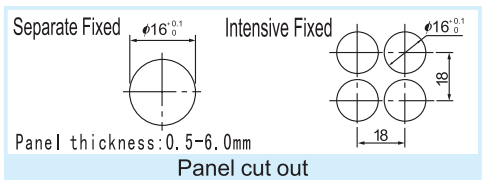
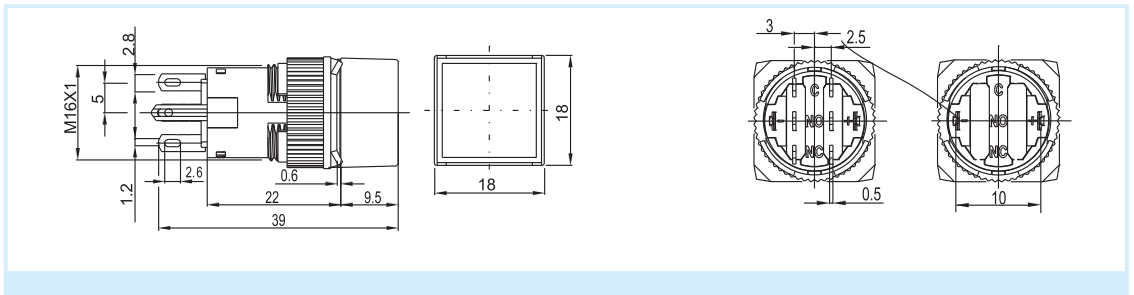
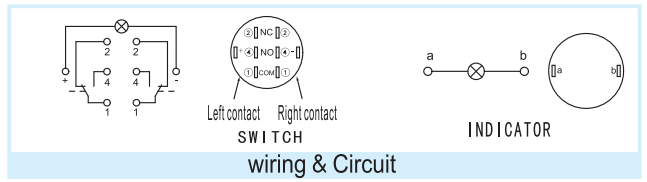
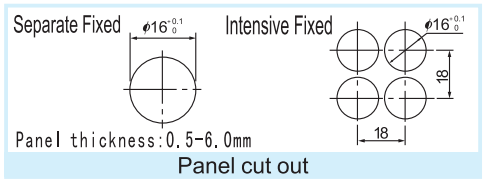
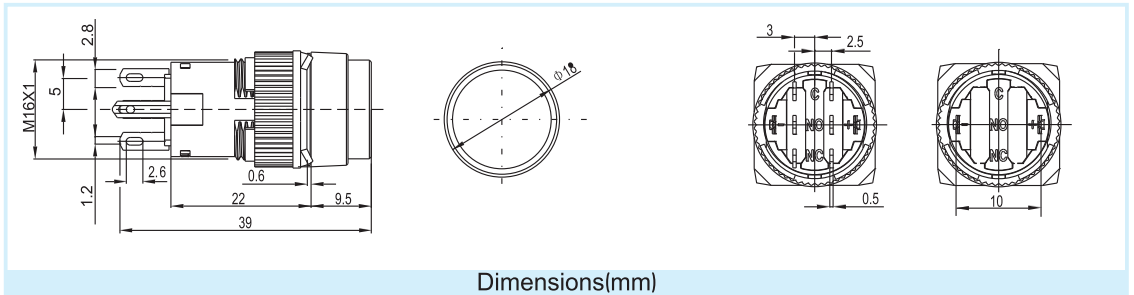
■ LED

Operating Voltage	2V	6V	12V	24V	110V	220V	Life	Equivalent circuit
Current	Less than 15mA			Less than 5mA			About 50,000 hours (but the brightness will be weakened as the life of using plus)	
LED color	Red Green Blue Yellow Orange							
Cap color	Red Green Blue Yellow Orange Black White Gray							

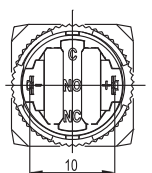
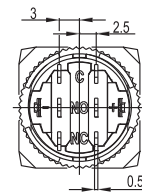
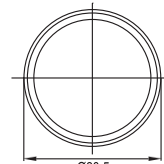
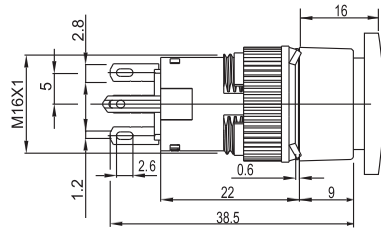
■ Neon

Operating Voltage	110V AC	220V AC
Current	Less than 1mA	Less than 1mA
Neon Color	Red Green	
Cap color	Red Green	

ø16 Overall & Dimensions



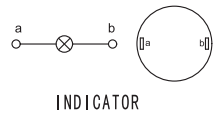
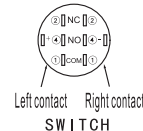
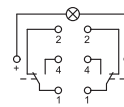
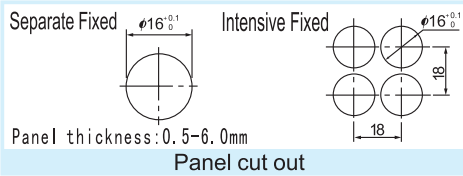
ø16 Overall & Dimensions



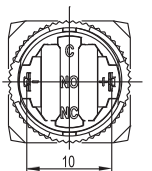
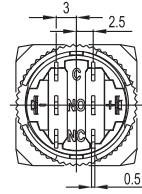
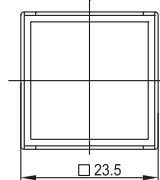
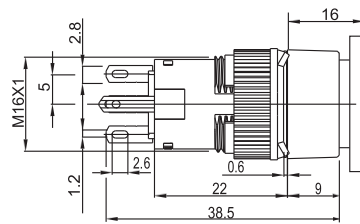
Switch Contact

Indicate Contact

Dimensions(mm)



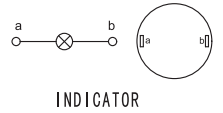
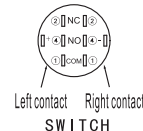
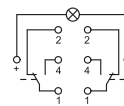
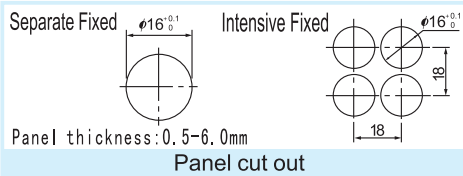
wiring & Circuit



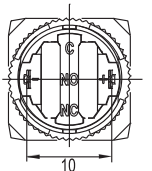
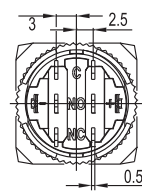
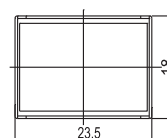
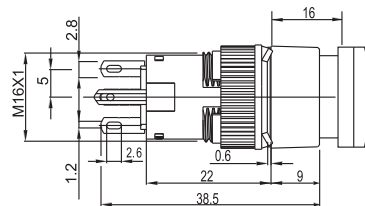
Switch Contact

Indicate Contact

Dimensions(mm)



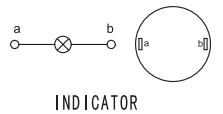
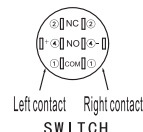
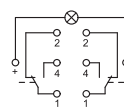
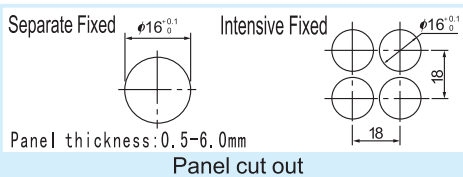
wiring & Circuit



Switch Contact

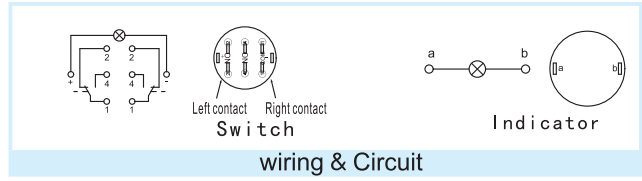
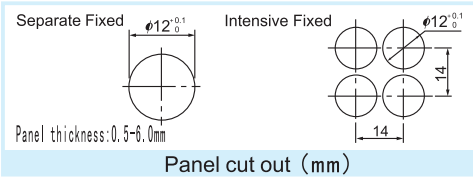
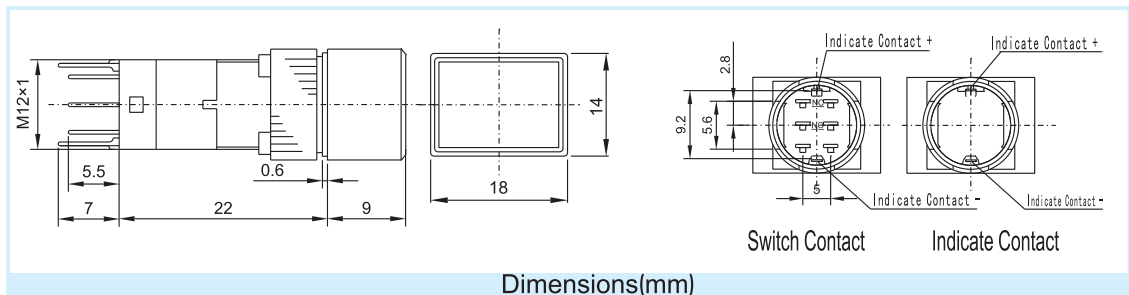
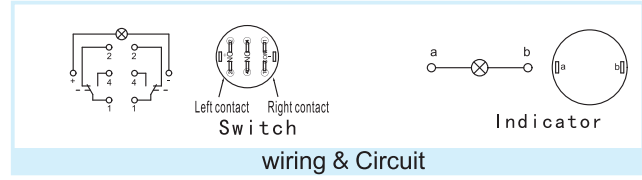
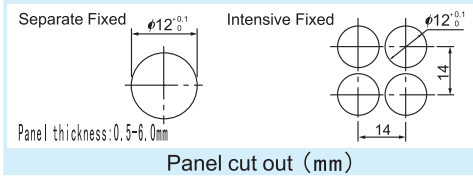
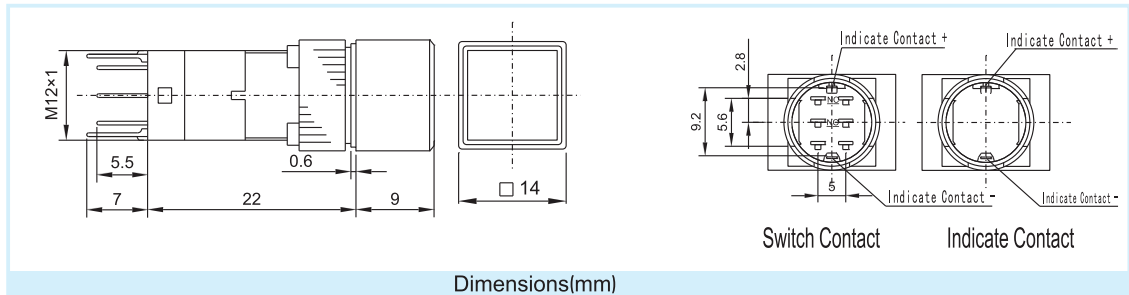
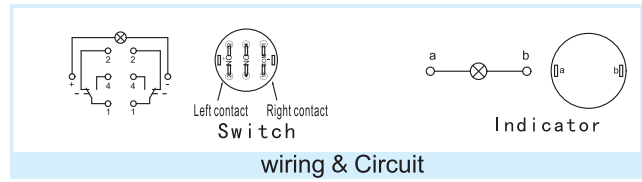
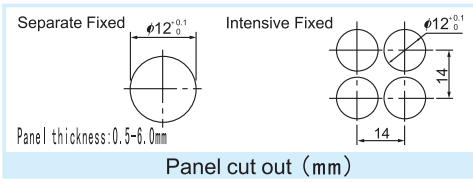
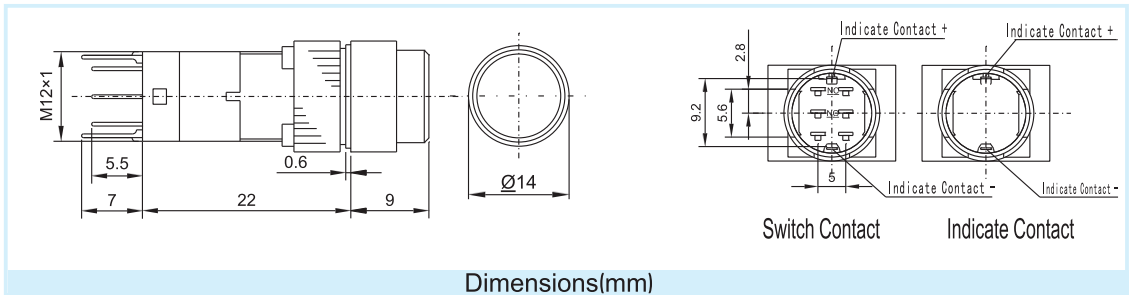
Indicate Contact

Dimensions(mm)



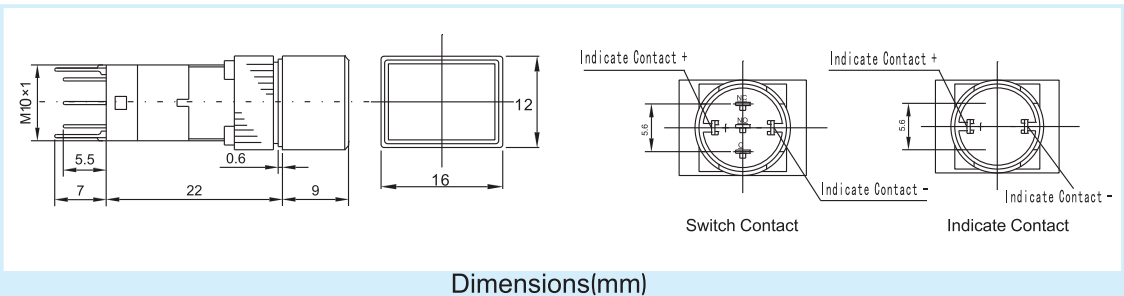
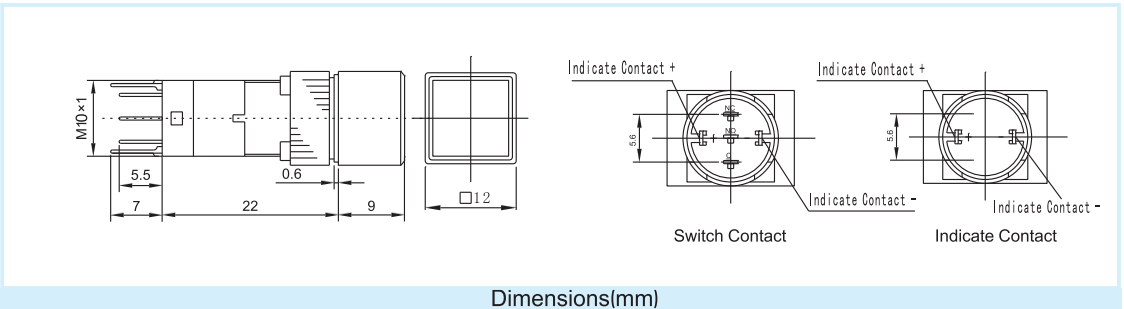
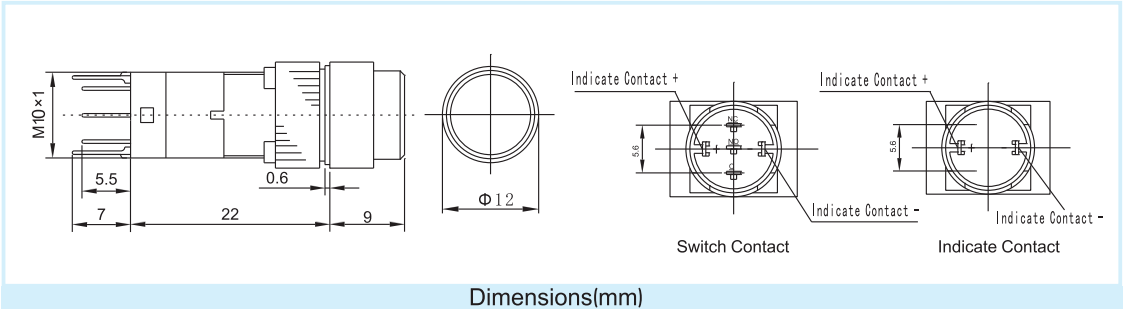
wiring & Circuit

Φ12 Overall & Dimensions

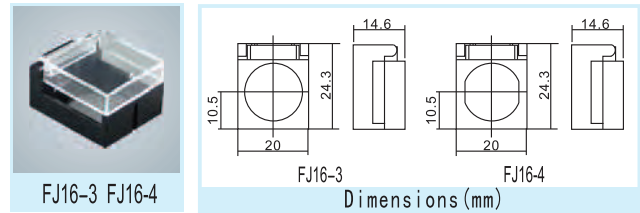
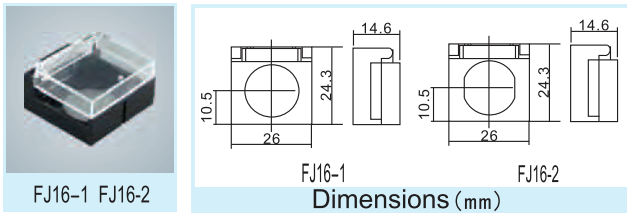


AD Series Pushbutton switch

Φ10 Overall & Dimensions(mm)



ø16 Attachment



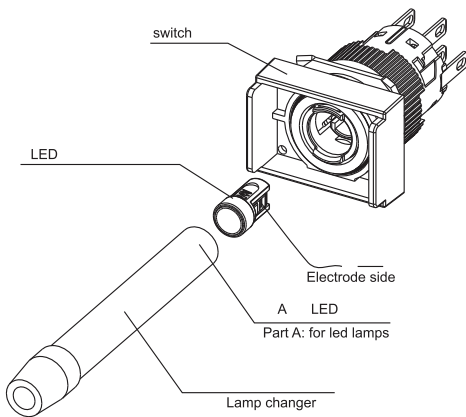
-Note and using Method-

Method of replacing lamp

- To remove the LED lamp, insert the lamp charge in the LED lamp and pull out the LED lamp. To mount the LED lamp, align the lamp terminal side of the main unit with the electrode side of the LED lamp, lightly hold the lamp by hand or with the head of the lamp changer, and insert the lamp. The LED lamp has no polarity, so it can be powered by either AC or DC

Handling of LEDs

LED whose luminous color is green or blue is sensitive to static electricity. Be careful when handling the LED. Take thorough measures against static electricity and surges when handling the product. The following anti-electrostatic measure is recommended. Use a wristband or anti-electrostatic glove when replacing LED lamps.

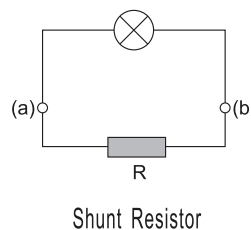


Wiring

- Wiring to tab terminal
 - Use 110 (2.8mm) series receptacles for tab terminals.
- Pay attention to the following points when soldering.
 - Type of solder: Use resin-core solder.
 - Use a soldering iron with a maximum power consumption of 30W (300 °C) within five seconds. Make sure that the terminal is free of tension during soldering. Also, do not deform the terminal.
- The melting point of lead-free solder is slightly high, which may make soldering difficult. Use a soldering iron that has a large soldering tip or high heat generation.
- Connectable wires
 - Two solid wires with a maximum diameter of 0.8 mm (solder) One stranded wire with a maximum area of 0.75 mm² (solder) Flat-type connection terminal (2.8 -1.25-5) 0.5 to 1.25mm² (2.8 -0.5-5) 0.2 to 0.5mm²
- Use of contact blocks
 - When using NO and NC contacts in the same contact block, avoid connection that involves opposite polarity or wiring from different types of power supply.
- For wiring to adjacent terminals, use the terminal cover to prevent short-circuit, or an insulation tube to assure isolation. For solder terminals, caution is required if thick wires, in particular, are connected or a large quantity of solder is used.

LED

- LED lamp malfunctioning (incorrect lighting)
 - The LED lamp incorporates a circuit to prevent malfunctioning. Compared with conventional models, this LED lamp is less likely to malfunction, but it incorporates no absolute countermeasures. A minute current (approximately 0.25 mA) turns on the LED lamp. A leakage current from the surge absorption circuit or noncontact circuit, or stray capacitance between cables, may also turn on the LED lamp. In this case, a countermeasure (e.g., attaching a resistor in parallel with the LED lamp) is required.
- Countermeasure against malfunctioning
 - Malfunctioning can be prevented by connecting a shunt resistor in parallel. The resistance in that case varies with the model and operating conditions.



-Note and using Method-

● The permissible fluctuation range for the operating voltage of the 6V model is ±5% and that for the 12V or 24V model is ±10%. If the operating voltage is always 5% or 10% higher, select a resistor that will make the operating current the same as or lower than the rated current, and connect the resistor in series to the LED lamp.

● Calculation of external resistance

Example: Connecting a 24V red LED to a 48V circuit

$$\text{External resistance } [\Omega] = \frac{\text{Circuit voltage [V]} - \text{Rated voltage [V]}}{\text{Rated current[A]}}$$

$$= \frac{48-24}{3 \times 10^{-3}} = 8000[\Omega]$$

⇒ Therefore, use an external resistor of 8kΩ 1W.
(Select a resistor with sufficient wattage.)

● Surges

High-brightness LED products use elements that are sensitive to static electricity. Keep in mind that an unusual voltage, such as a surge voltage, may cause the product to malfunction.

■ Others

● Operation

Do not hit or flip the button, or the button may be damaged. Be sure to operate the button by hand. Do not pull the button if the switch is an alternate action type.

● High-density mounting of illuminated type

When continuously lighting pilot lights or pressing illuminated pushbuttons, keep in mind that the ambient temperature may exceed the rated value due to the heat radiated by the lamp. Be sure to ventilate the lamp /switch if the mounting panel is not made of metal or if the mounting panel is an enclosed type.

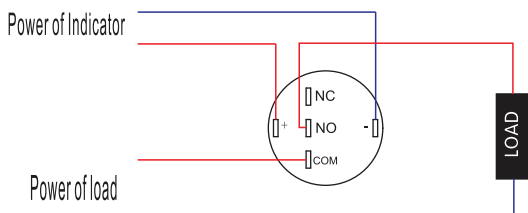
● Usage locations

- Be sure to use and store the product within the rated ambient temperature and humidity ranges.
- Although the product resists ordinary cutting oils and coolant oils, do not use the unit in places where special oils may be sprayed onto the product.
- If dusts or filings accumulate in the gap between the button and the frame, the switch may fail to operate normally. Take appropriate measures, such as using a dust-proof protective cover, if the switch is to be used in places that are subject to dusts or filings.
- The AD16 series and AD12,AD10 series are for indoor use. Make sure that the product is not exposed to direct sunlight.
- Do not use the product in the places that are subject to the adverse effects of ozone or corrosive gases.

Circuit wiring (examples)

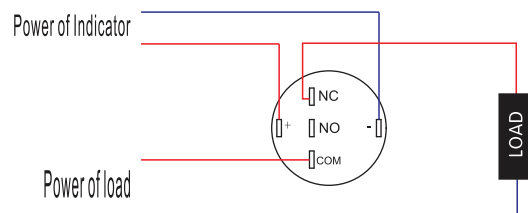
● Normally Open Circuit wiring

Feature implementation : switch light is always bright,it is operating with load when the switch acted. The switch control the single circuit The voltage of the indicator is different from the load voltage.



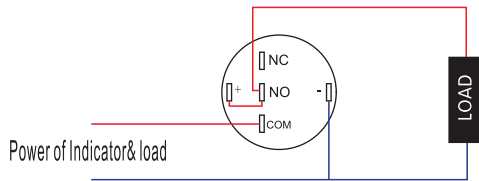
● Normally Close Circuit wiring

Feature implementation : switch light is always bright,the loadstop when the switch acted. The switch control the single circuit The voltage of the indicator is different from the load voltage.



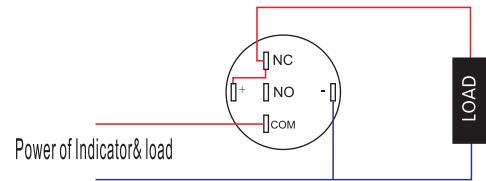
- Normally Open Circuit wiring

Feature implementation : it is operating with load and the indicator is brighting when the switch acts.The switch control the single circuit, on the condition that the voltage of load and indicator power is the same.

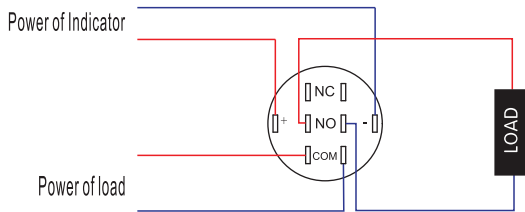


- Normally Close Circuit wiring

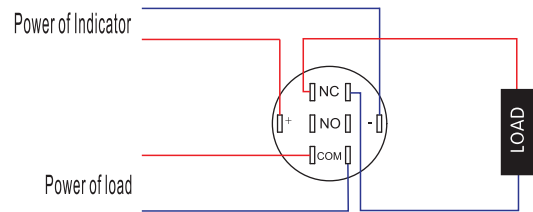
Feature implementation: The load stops and the indicator turns off when the switch acting. The switch control the single circuit ,on the condition that the voltage of load and indicator power is the same.



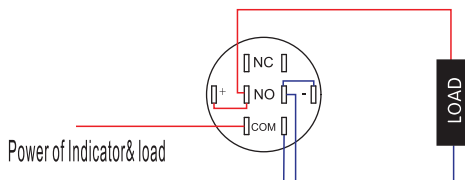
Feature implementation : switch light is always bright,it is operating with load when the switch acted. The switch control the two circuit. The voltage of the indicator is different from the load voltage.



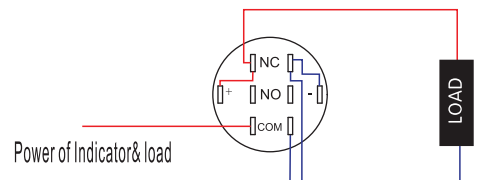
Feature implementation : switch light is always bright, The load stops and the indicator turns off when the switch acting. The switch control the two circuit . The voltage of the indicator is different from the load voltage.



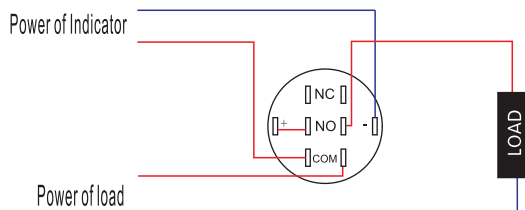
Feature implementation : it is operating with load and the indicator is brighting when the switch acts.The switch control the two circuit, on the condition that the voltage of load and indicator power is the same.



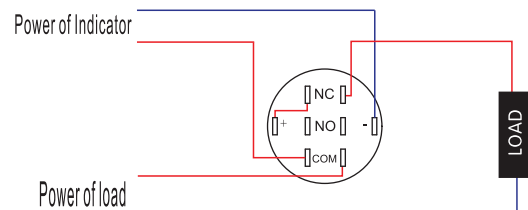
Feature implementation : The load stops and the indicator turns off when the switch acting. The switch control the two circuit ,on the condition that the voltage of load and indicator power is the same.



Feature implementation : it is operating with load and the indicator is brighting when the switch acts. The switch control the two circuit ,one controls the load cricuit,the other controls the indicator.the voltage of indicator is different from the load's



Feature implementation : The load stops and the indicator turns off when the switch acting.The switch control the two circuit ,one controls the load cricuit, the other controls the indicator.the voltage of indicator is different from the load's

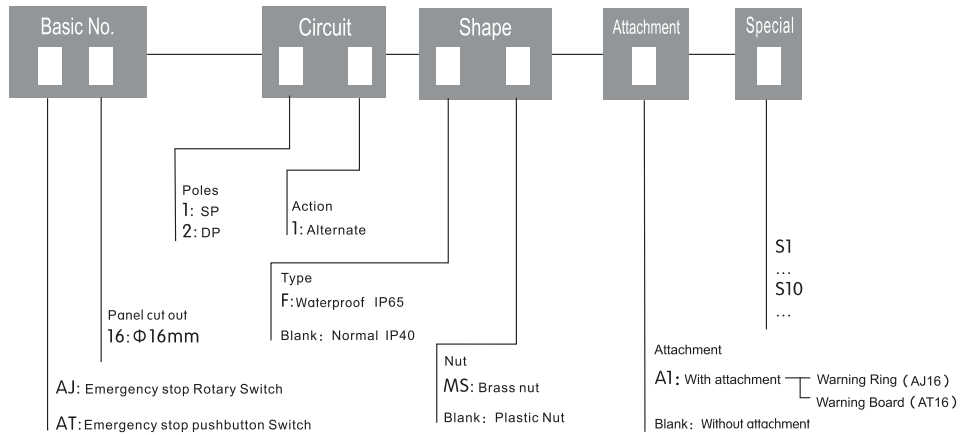




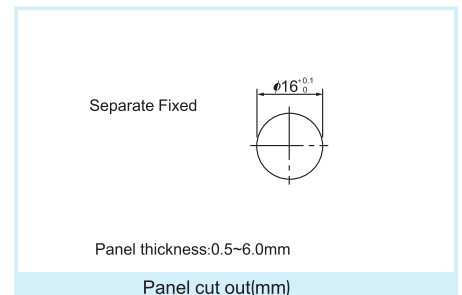
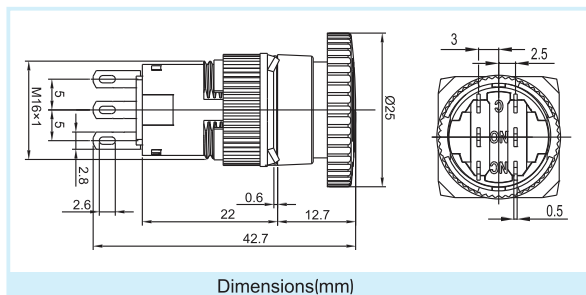
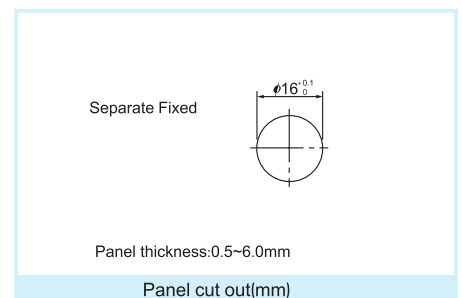
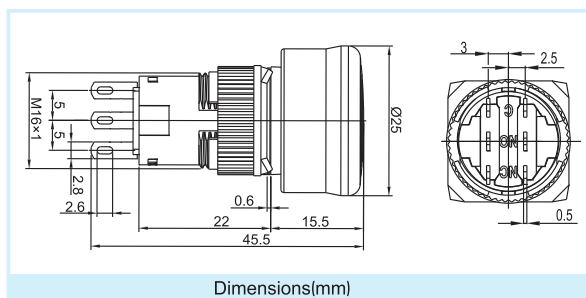
SPECIFICATION

Max. Rating Current & Voltage(Resistive Load)	3A 250V AC
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	Alternate:25,000
Mechanical Life(cycles)	Alternate:50,000
Operating temperature	-5°C~+75°C
IP code	IP44

HOW TO ORDER



Φ16 Overall & Dimensions(mm)

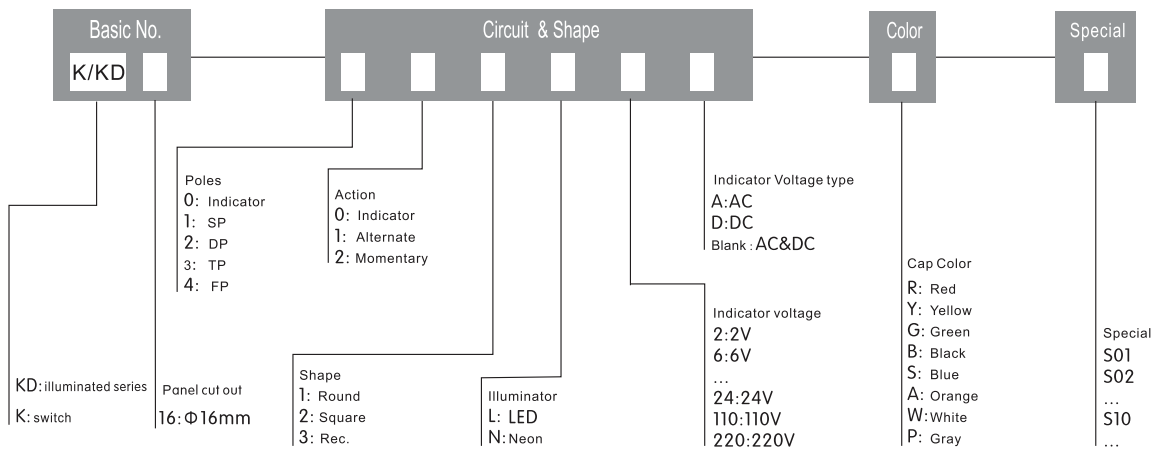




SPECIFICATION

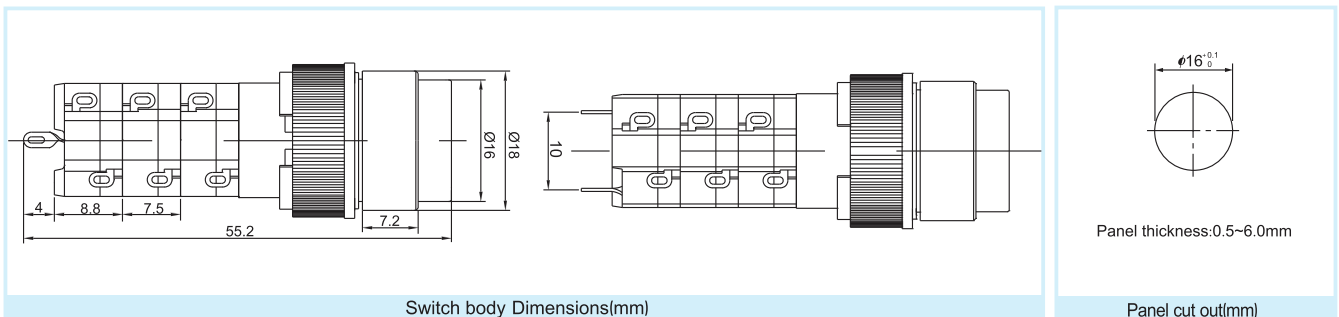
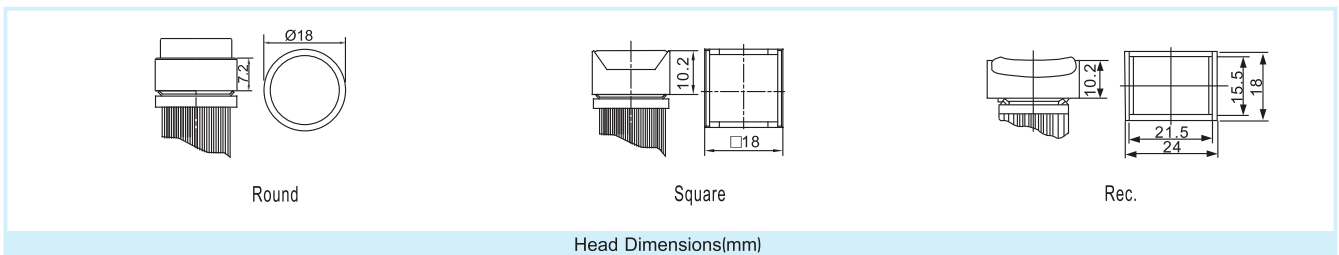
Max. Rating Current & Voltage(Resistive Load)	8A/125V AC 0.2A/250V DC 5A/250V AC 6A/24V DC
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	10,000
Mechanical Life(cycles)	100,000
Operating temperature	-25°C~+55°C
IP code	IP40

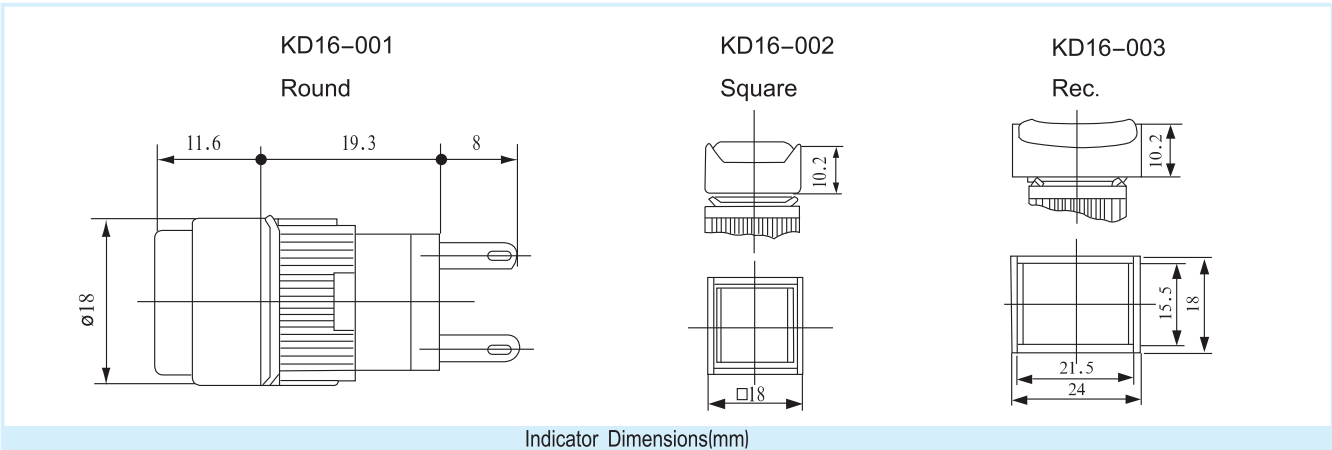
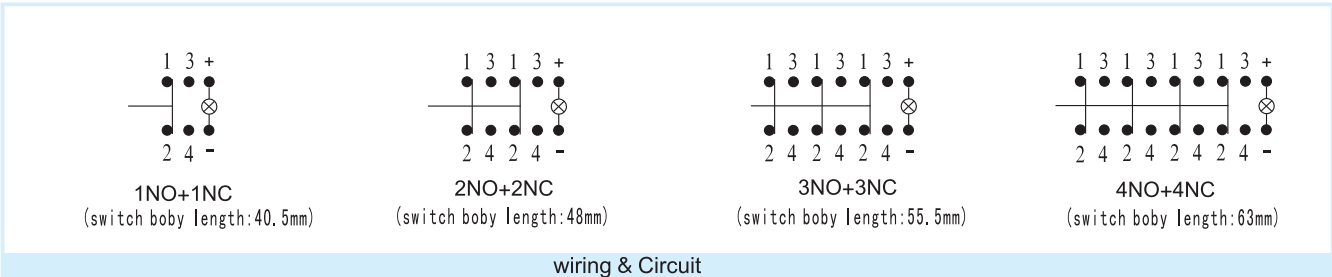
THE STYLE SKETCH



(Example): Switch Type :KD16-111L2D-R
Indicator type : KD16-001L6D-R

Overall & Dimensions(mm)





KD16 EXAMPLE



Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

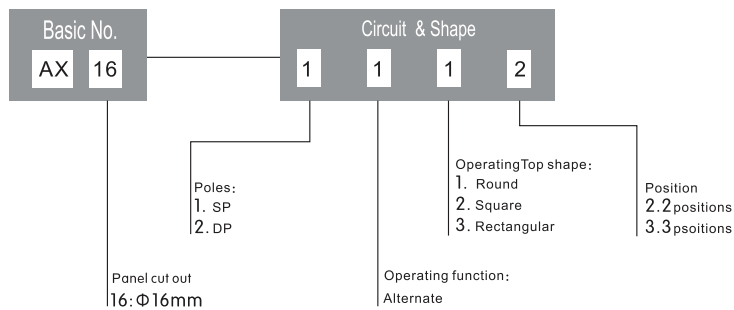
AX16 Series Rotary Switch



SPECIFICATION

Max. Rating Current & Voltage(Resistive Load)	3A 250V AC
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	Momentary:50,000 Alternate:25,000
Mechanical Life(cycles)	Momentary:200,000 Alternate:50,000
Operating temperature	-25℃~+55℃
IP code	IP40

HOW TO ORDER



Example: AX16-1112

AX16 Diagram of contact

Position			
2 positions			
3 positions			

The position of operator is changable:

Taking use of front cover's rotation and lock's position. It can change the position of operator. Every 45° interval, the front cover can be locked for refrain moving itself from installation. Pull the front cover out to deviate from the lock and then move the cover for 45° interval to push it on, Lock the cover at last.



Normal



Brought the cover



Rotation 45°

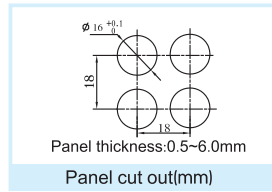
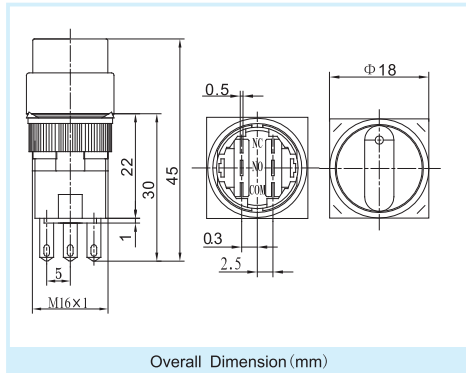


Press the cover

AX16 Series Rotary Switch

www.RelianceNorthAmerica.com

AX16 Round



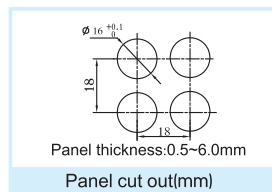
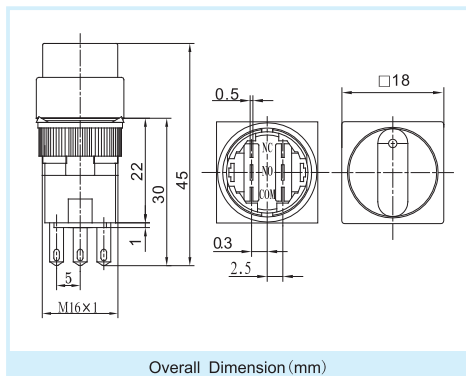
Please refer to the first page of the Diagram of contact

Circuit

Poles	Alternate 2P	Alternate 3P
SP	AX16-1112	AX16-1113
DP	AX16-2112	AX16-2113

Model List

AX16 Square



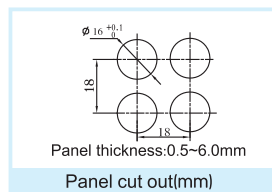
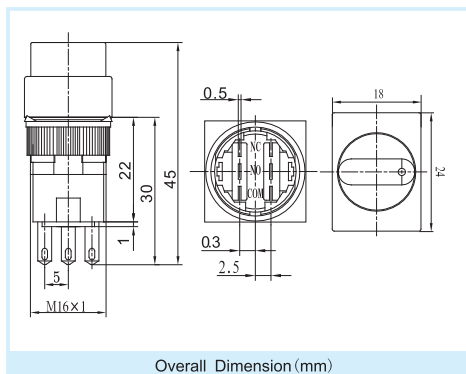
Please refer to the first page of the Diagram of contact

Circuit

Poles	Alternate 2P	Alternate 3P
SP	AX16-1122	AX16-1123
DP	AX16-2122	AX16-2123P

Model List

AX16 Rec.



Please refer to the first page of the Diagram of contact

Circuit

Poles	Alternate 2P	Alternate 3P
	AX16-1132	AX16-1133
	AX16-2132	AX16-2133

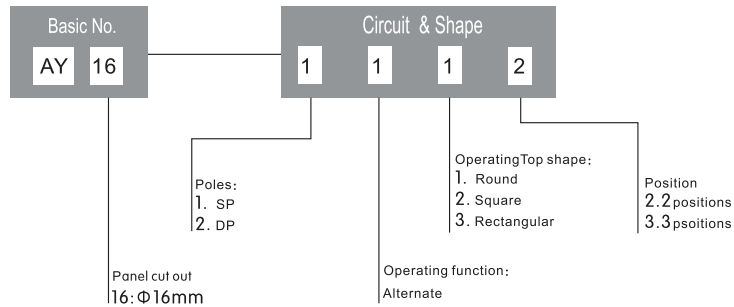
Model List



SPECIFICATION

Max. Rating Current & Voltage(Resistive Load)	3A 250V AC
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	Momentary:50,000 Alternate:25,000
Mechanical Life(cycles)	Momentary:200,000 Alternate:50,000
Operating temperature	-25℃~+55℃
IP code	IP40

HOW TO ORDER



Example:AY16-1112

AY16 Diagram of contact

Position			
2 positions			
3 positions			

The position of operator is changable:

Taking use of front cover's rotation and lock's position. It can change the position of operator. Every 45° interval, the front cover can be locked for refrain moving itself from installation. Pull the front cover out to deviate from the lock and then move the cover for 45° interval to push it on, Lock the cover at last.



Normal



Brought the cover

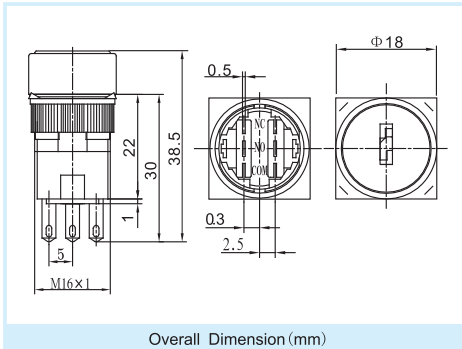


Rotation45°

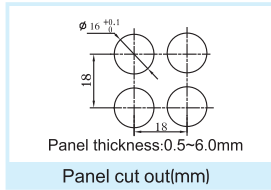


Press the cover

AY16 Round



Overall Dimension (mm)



Panel thickness:0.5-6.0mm

Panel cut out(mm)

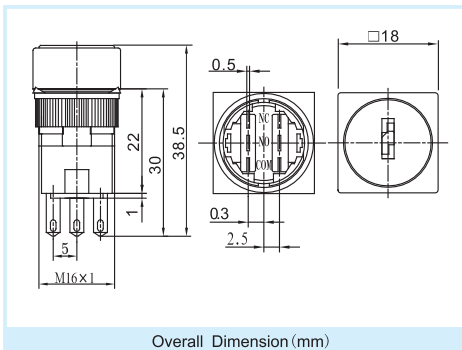
Please refer to the first page of the Diagram of contact

Circuit

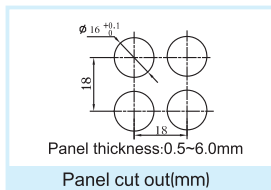
Poles	Alternate 2P	Alternate 3P
SP	AY16-1112	AY16-1113
DP	AY16-2112	AY16-2113

Model List

AY16 Square



Overall Dimension (mm)



Panel thickness:0.5-6.0mm

Panel cut out(mm)

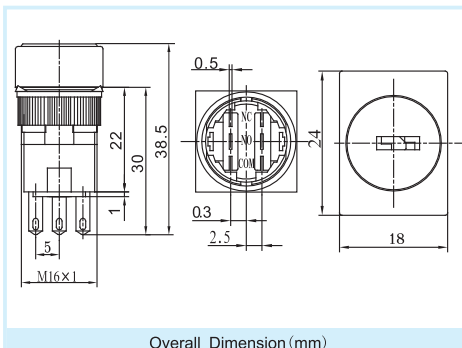
Please refer to the first page of the Diagram of contact

Circuit

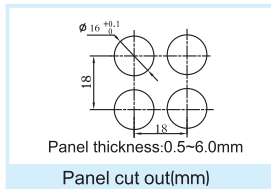
Poles	Alternate 2P	Alternate 3P
SP	AY16-1122	AY16-1123
DP	AY16-2122	AY16-2123

Model List

AY16 Rec.



Overall Dimension (mm)



Panel thickness:0.5-6.0mm

Panel cut out(mm)

Please refer to the first page of the Diagram of contact

Circuit

Poles	Alternate 2P	Alternate 3P
SP	AY16-1132	AY16-1133
DP	AY16-2132	AY16-2133

Model List

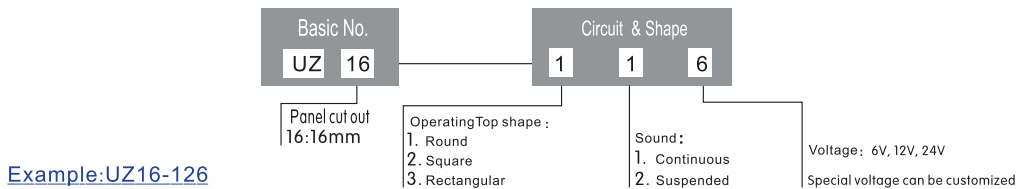


SPECIFICATION

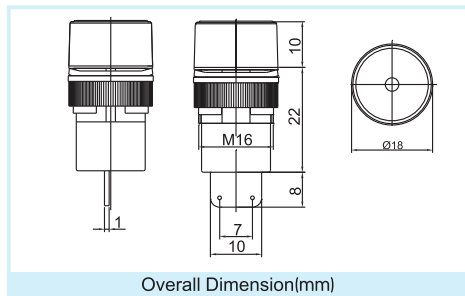
Max. Rating Voltage	6V AC/DC , 12V AC/DC , 24V AC/DC
Frequency	2.3±0.5KHZ
Sound output(1m)	75dB
Dielectric Strength	1,000V
Electronic Life(hours)	1,000 H
Operating temperature	-25°C~+55°C
IP code	IP40

Note: The buzzers can be used in AC/DC Continuous and Suspended could be made sperately from every different models.

HOW TO ORDER



UZ16 Round



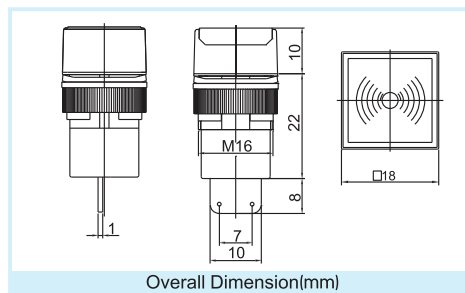
Panel cut out(mm)

Circuit

Voltage	Continuous	Suspended
6V AC/DC	UZ16-116	UZ16-126
12V AC/DC	UZ16-1112	UZ16-1212
24V AC/DC	UZ16-1124	UZ16-1224

Model List

UZ16 Square



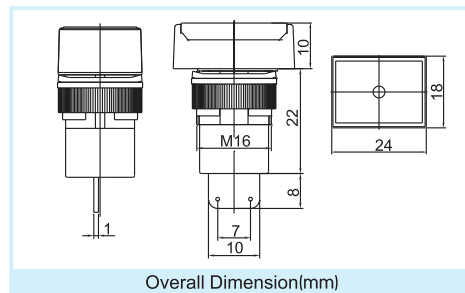
Panel cut out(mm)

Circuit

Voltage	Continuous	Suspended
6V AC/DC	UZ16-216	UZ16-226
12V AC/DC	UZ16-2112	UZ16-2212
24V AC/DC	UZ16-2124	UZ16-2224

Model List

UZ16 Rec.





Panel cut out(mm)

Circuit

Voltage	Continuous	Suspended
6V AC/DC	UZ16-316	UZ16-326
12V AC/DC	UZ16-3112	UZ16-3212
24V AC/DC	UZ16-3124	UZ16-3224

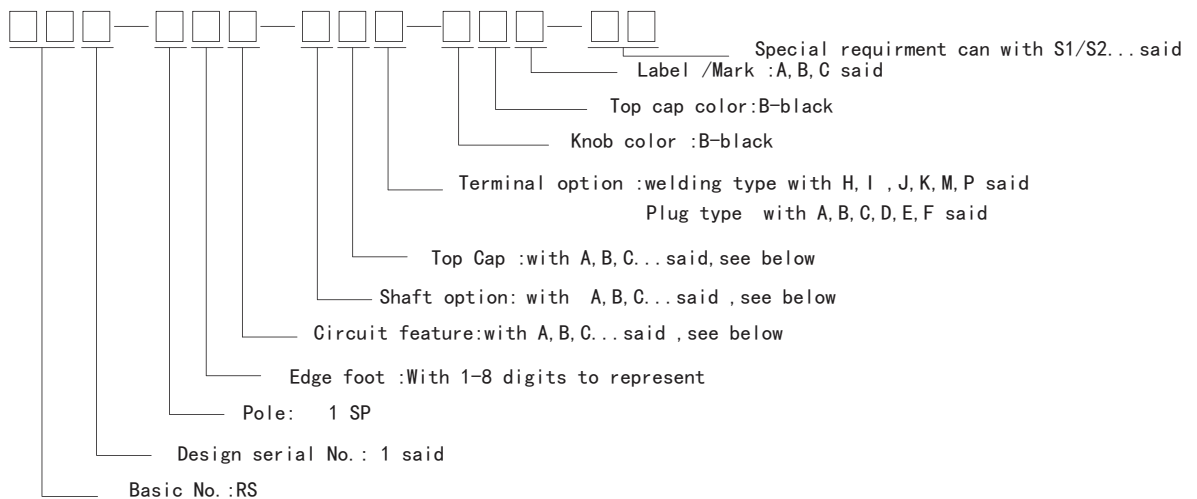
Model List



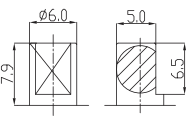
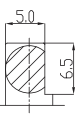
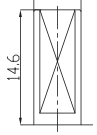
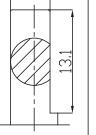
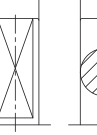
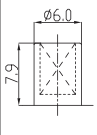
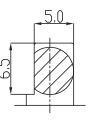
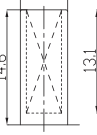
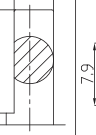
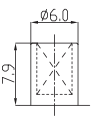
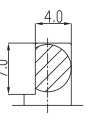
SPECIFICATION	
Max. Rating Current & Voltage (Resistive load)	6A 250VAC
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Dielectric Resistance	1500V
Electronic life (cycles)	10,000
Operating temperature	T125
 	6A 250VAC 1E4 T125

Range of application: it is widely used in electronics, electronic instruments, communications, audio and video, household appliances, medical equipment, oil lamp, electric cooker, water heater, hang ironing machine, food machine, etc

HOW TO ORDER



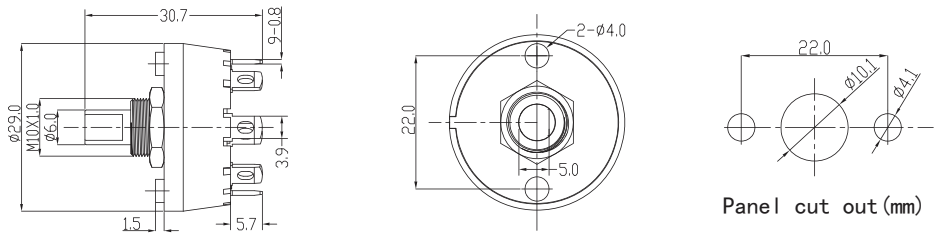
SHAFT OPTIONS

Shaft feature	A		B		C		D		E		F		
													
	Feature No.	A	Feature No.	B	Feature No.	C	Feature No.	D	Feature No.	E	Feature No.	F	
Serial No.	RS1	Serial No.	RS1	Serial No.	RS1	Serial No.	RS1	Serial No.	RS1	Serial No.	RS1		

CIRCUIT

Circuit No.	A	Circuit No.	B	Circuit No.	C	Circuit No.	C
Circuit feature	Two stalls	Circuit feature	Two stalls	Circuit feature	Two stallst	Circuit feature	Two sallst
Product model	RS1-12A	Product model	RS1-12B	Product model	RS1-12C	Product model	RS1-12C
Circuit No.	E	Circuit No.	F	Circuit No.	G	Circuit No.	H
Circuit feature	Three reset	Circuit feature	Four reset	Circuit feature	Five reset	Circuit feature	Five reset
Product model	RS1-13E	Product model	RS1-14F	Product model	RS1-15G	Product model	RS1-15H
Circuit No.	I	Circuit No.	J	Circuit No.	K	Circuit No.	L
Circuit feature	Five stalls	Circuit feature	Six reset	Circuit feature	Six reset	Circuit feature	Six stalls
Product model	RS1-15I	Product model	RS1-16J	Product model	RS1-16K	Product model	RS1-16L
Circuit No.	M	Circuit No.	N	Circuit No.	P	Circuit No.	Q
Circuit feature	Six stalls	Circuit feature	Seven reset	Circuit feature	Seven stalls	Circuit feature	Seven stalls
Product model	RS1-16M	Product model	RS1-17N	Product model	RS1-17P	Product model	RS1-17Q
Circuit No.	R	Circuit No.	S				
Circuit feature	Seven reset	Circuit feature	Eight stalls				
Product model	RS1-17R	Product model	RS1-18S				

DIMENSIONS



TERMINAL CODE

Code	B	H
Diagram		

RS1 EXAMPLE

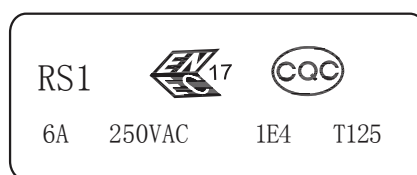


RS1-18S-ACH-BBA 100101-011





RS1-14F-AAH-BBA-S1 100101-002

RS1 MARKING

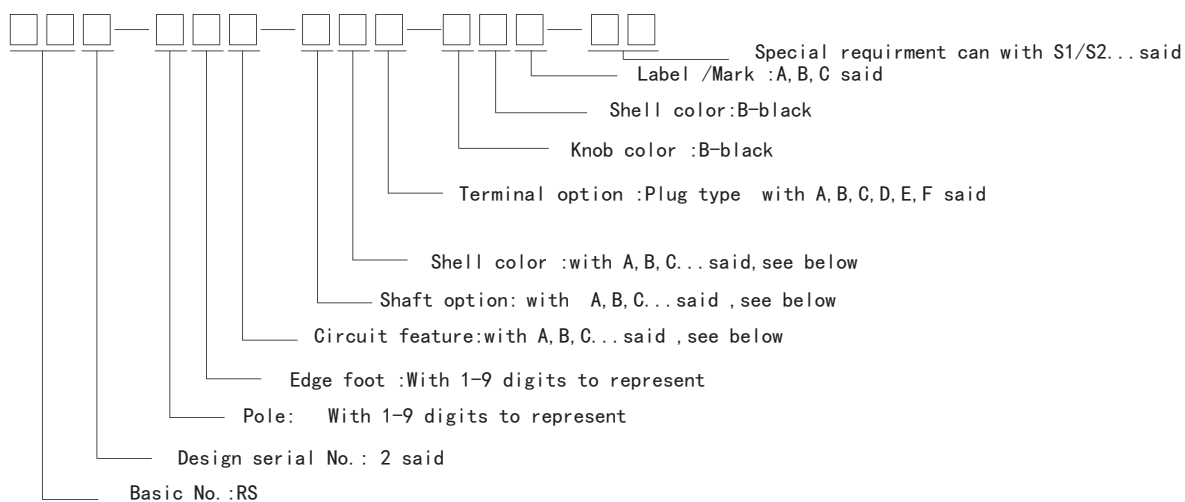




SPECIFICATION	
Max. Rating Current & Voltage (Resistive load)	6A 250VAC
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Dielectric Resistance	1500V
Electronic life (cycles)	50,000
Operating temperature	T125
 	16(4)A 250VAC 5E4 T125 8(8)A 250VAC 5E4 T125

Range of application: it is widely used in electronics, electronic instruments, communications, audio and video, household appliances, medical equipment, oil lamp, electric cooker, water heater, hang ironing machine, food machine, etc

HOW TO ORDER



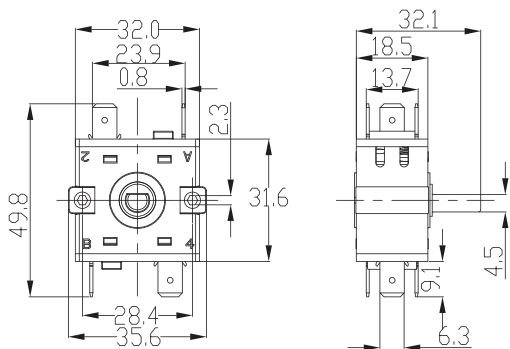
SHAFT OPTIONS

Code	A	B
Seres NO.	RS2	RS2
Diagram		

CIRCUIT

<table border="1"> <tr><th>Circuit</th><th>0°</th><th>30°</th><th>60°</th><th>90°</th></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td><td></td></tr> </table>	Circuit	0°	30°	60°	90°						A					B					<table border="1"> <tr><th>Circuit</th><th>0°</th><th>30°</th><th>60°</th><th>90°</th></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td><td></td></tr> </table>	Circuit	0°	30°	60°	90°						A					B					<table border="1"> <tr><th>Circuit</th><th>0°</th><th>30°</th><th>60°</th><th>90°</th></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td><td></td></tr> </table>	Circuit	0°	30°	60°	90°						A					B					<table border="1"> <tr><th>Circuit</th><th>0°</th><th>30°</th><th>60°</th><th>90°</th></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td><td></td></tr> </table>	Circuit	0°	30°	60°	90°						A					B				
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B																																																																																			
Feature No. A	Feature No. B	Feature No. B	Feature No. C																																																																																
Serial No. RS2-11	Serial No. RS2-12	Serial No. RS2-22	Serial No. RS2-23																																																																																
<table border="1"> <tr><th>Circuit</th><th>0°</th><th>30°</th><th>60°</th><th>90°</th></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td><td></td></tr> </table>	Circuit	0°	30°	60°	90°						A					B					<table border="1"> <tr><th>Circuit</th><th>0°</th><th>45°</th><th>90°</th></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td></tr> </table>	Circuit	0°	45°	90°					A				B				<table border="1"> <tr><th>Circuit</th><th>0°</th><th>45°</th><th>90°</th><th>135°</th><th>180°</th><th>225°</th><th>270°</th><th>330°</th><th>360°</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	Circuit	0°	45°	90°	135°	180°	225°	270°	330°	360°											A										B														
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B																																																																																			
Feature No. D	Feature No. E	Feature No. F																																																																																	
Serial No. RS2-24	Serial No. RS2-24	Serial No. RS2-24																																																																																	

DIMENSIONS



TERMINAL CODE

Code	A
Diagram	

RS2 EXAMPLE



RS2-24D




RS2-23C



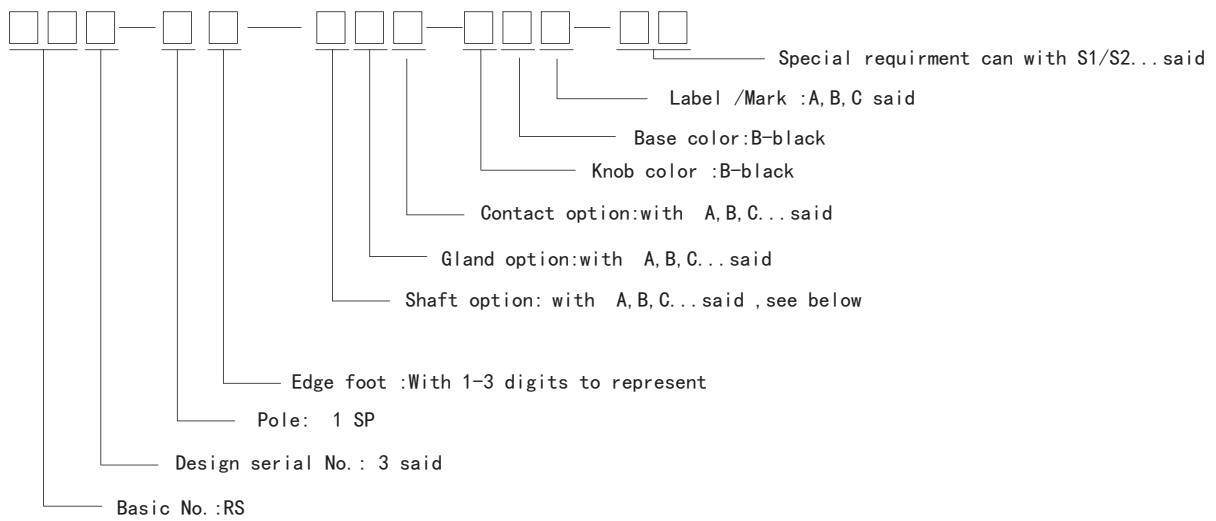
RS2-12B






SPECIFICATION	
Max. Rating Current & Voltage (Resistive load)	6A 250VAC
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Dielectric Resistance	1500V
Electronic life (cycles)	10,000
Operating temperature	T125
	6.5A 250VAC T150 1E4/13A 125VAC T150 1E4

Range of application: it is widely used in electronics, electronic instruments, communications, audio and video, household appliances, medical equipment, oil lamp, electric cooker, water heater, hang ironing machine, food machine, etc

HOW TO ORDER



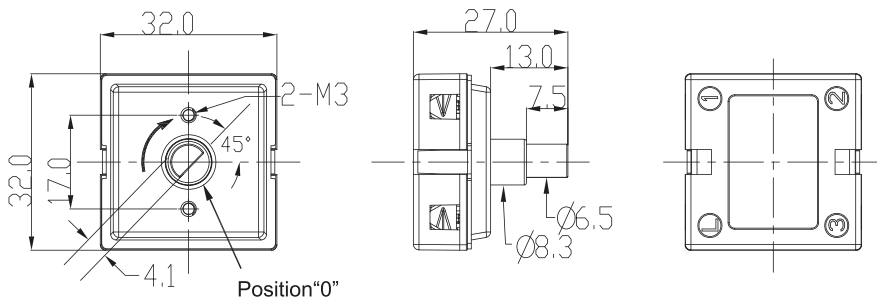
CIRCUIT

		45°	Position			
			0	1	2	3
Circuit feature	RS3-11	OFF	L-1-3			
	RS3-12	OFF	L-1-3	L-1-2		
	RS3-13	OFF	L-1-3	L-1-2	L-2-3	

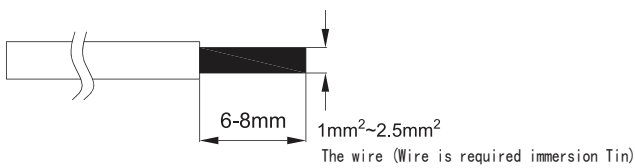
SHAFT OPTIONS

Code	A
Seres NO.	RS3
Diagram	

DIMENSIONS



CABLE REQUIREMENT



RS3 EXAMPLE

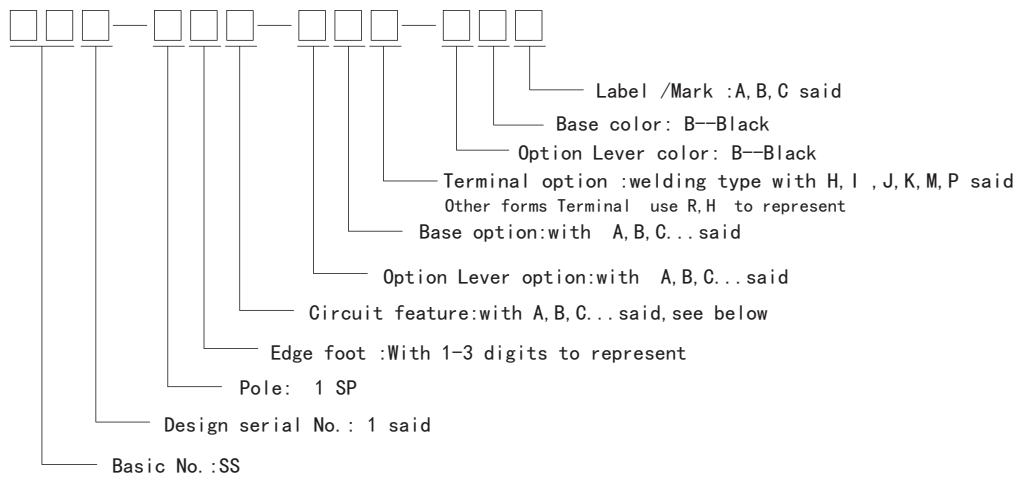


RS3-13



SPECIFICATION	
Max. Rating Current & Voltage (Resistive load)	3(1)A 250VAC
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Dielectric Resistance	1500V
Electronic life (cycles)	10,000
Operating temperature	T85

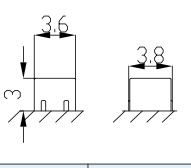
HOW TO ORDER



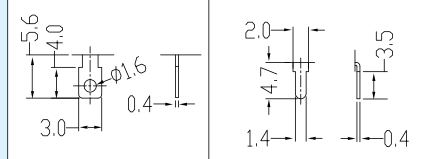
CIRCUIT

Circuit feature			
	Feature No. A	Feature No. B	Feature No. C
	Serial No. SS1-12	Serial No. SS1-11	Serial No. SS1-11

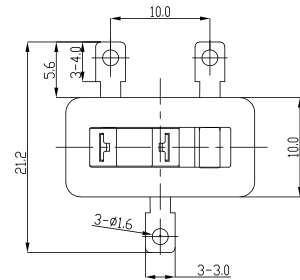
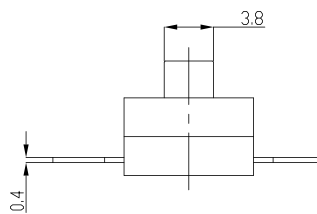
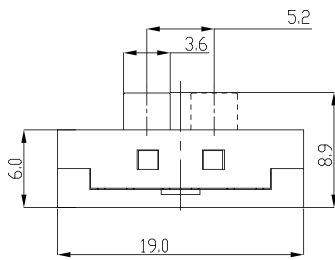
SHAFT OPTIONS

Option Lever Feature	
	Feature No. A
Serial No.	SS1-12

TERMINAL CODE

Terminal Feature	
	Feature No. H
Serial No.	SS1
Feature No. R	
Serial No.	SS1

DIMENSIONS



EXAMPLE





SS1-12A-BBH



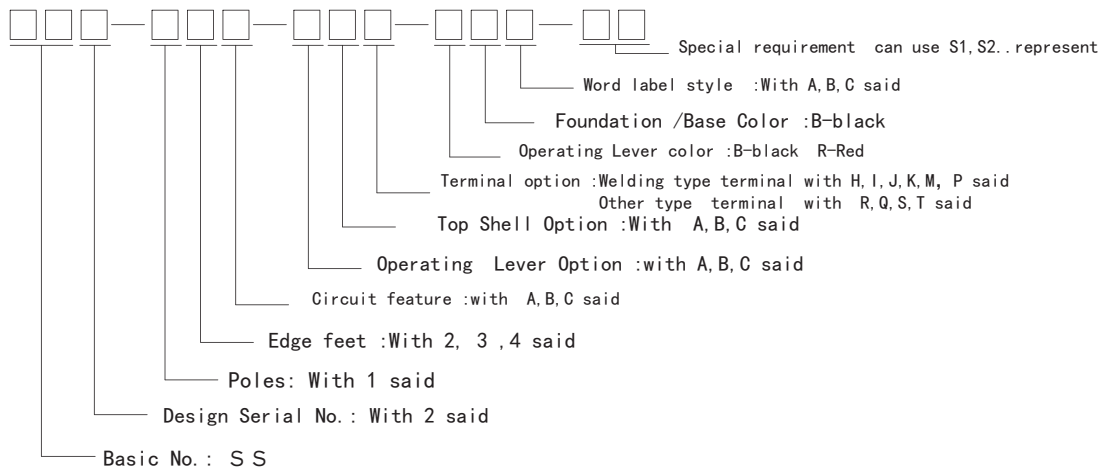
SS1-12A-BBR



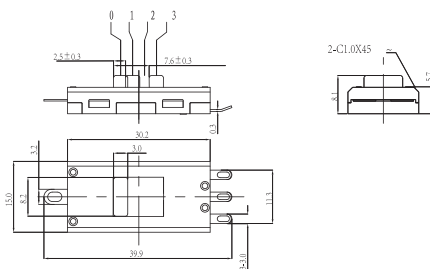
SPECIFICATION

Max.Rating Cnrrnt&Voltage(Resistive load)	8(2)A 250VAC
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Electronic life(cycles)	1500V
Electronic life(cycles)	10,000
Operating temperature	T85
 	
	8(2) A 250VAC u T85

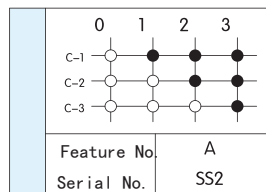
HOW TO ORDER



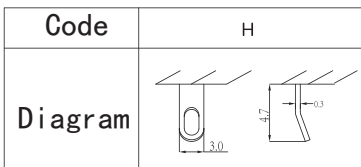
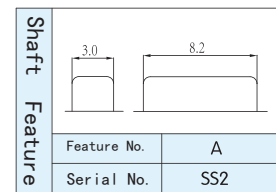
DIMENSIONS



CIRCUIT



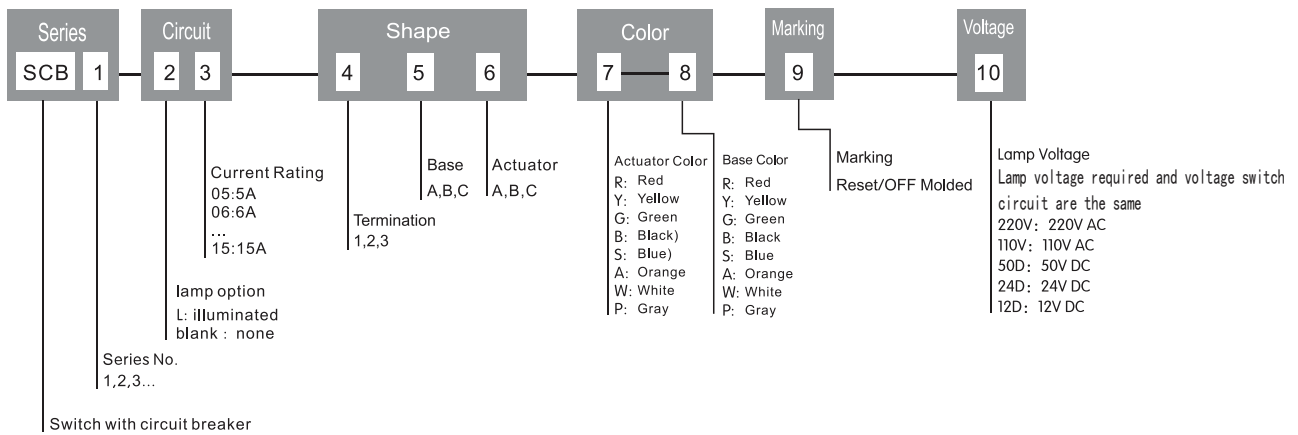
SHAFT OPTIONS





SPECIFICATION	
Function	Provides power switching and circuit protection in a single unit
Rating Current	5-15A
Rating Voltage	AC125V 220V DC50V
Insulation Resistance	≥100MΩ DC500V
Dielectric Strength	AC 1500V 1min
Life(cycles)	>6000
Ambient temperature	-10°C~60°C

HOW TO ORDER



4 Terminal

Code	1	2
Diagram		
Note	Standard	Standard

5 Base

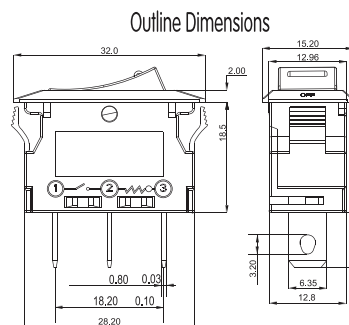
Code	Diagram	Panel cut out (mm)												
A		<table border="1"> <thead> <tr> <th>Panel thickness</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>0.75-1.25</td> <td>28.35^{+0.1}_{-0.1}</td> <td>13.00^{+0.1}_{-0.1}</td> </tr> <tr> <td>1.25-2.00</td> <td>28.40^{+0.1}_{-0.1}</td> <td>13.00^{+0.1}_{-0.1}</td> </tr> <tr> <td>2.00-3.00</td> <td>28.45^{+0.1}_{-0.1}</td> <td>13.00^{+0.1}_{-0.1}</td> </tr> </tbody> </table>	Panel thickness	X	Y	0.75-1.25	28.35 ^{+0.1} _{-0.1}	13.00 ^{+0.1} _{-0.1}	1.25-2.00	28.40 ^{+0.1} _{-0.1}	13.00 ^{+0.1} _{-0.1}	2.00-3.00	28.45 ^{+0.1} _{-0.1}	13.00 ^{+0.1} _{-0.1}
Panel thickness	X	Y												
0.75-1.25	28.35 ^{+0.1} _{-0.1}	13.00 ^{+0.1} _{-0.1}												
1.25-2.00	28.40 ^{+0.1} _{-0.1}	13.00 ^{+0.1} _{-0.1}												
2.00-3.00	28.45 ^{+0.1} _{-0.1}	13.00 ^{+0.1} _{-0.1}												

6 Actuator

Code	Diagram	Note	Code	Diagram	Note	Code	Diagram	Note
C		Arc-Shaped	A		Plane	B		V-Shaped

9 Marking

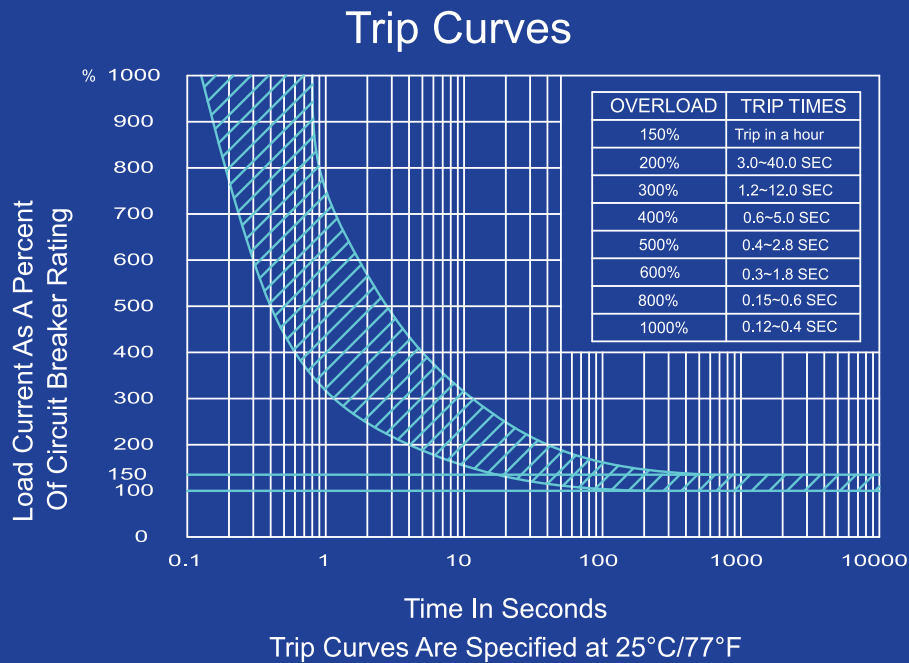
Code	1
Diagram	
Note	Reset/OFF Molded



SCB series switch with circuit breaker







Tripping curves and temperature compensation coefficients refer to the following



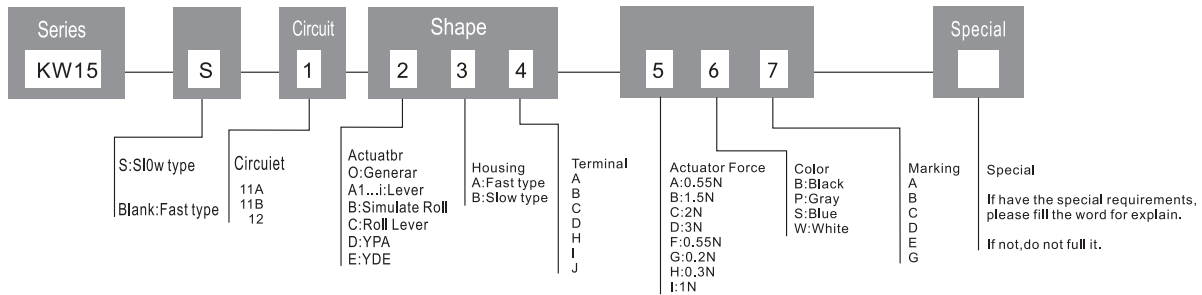
Capacity Correction Factors For Ambient Temperatures									
Current Rating Amps	Temperature								
	°F	+23	+32	+68	+77	+86	+104	+122	+140
	°C	-5	+0	+20	+25	+30	+40	+50	+60
5 to 6A		.75	.80	.90	1.00	1.05	1.10	1.20	1.40
7 to 15A		.80	.85	.95	1.00	1.05	1.15	1.25	1.40



SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	50,000
Operating temperature	-25°C~+125°C
Max. Rating Current & Voltage	
 	16(4)A 250VAC μ T125 5E4
	16(4)A 250V~μ T125 1E4 15A 250V~μ T125 1E4 10(3)A 250V~μ T125 5E4
	16A 125/250VAC T125 5E4 1HP 125VAC T125 1E4 10(4)A 125/250VAC T125 5E4

HOW TO ORDER



1 TERMINAL CODE

Code	A	B	C	D	H	I	J
Diagram							

2 ACTUATOR CODE

Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description
A1		14mm	A2		28mm	A3		32mm	A4		52mm
A5		24mm	B		26.5mm	C1		12.5mm	C2		26.5mm
D		53mm	E		65.4mm	D1		68mm	D2		96mm
F		18.9mm	G		64.4mm						

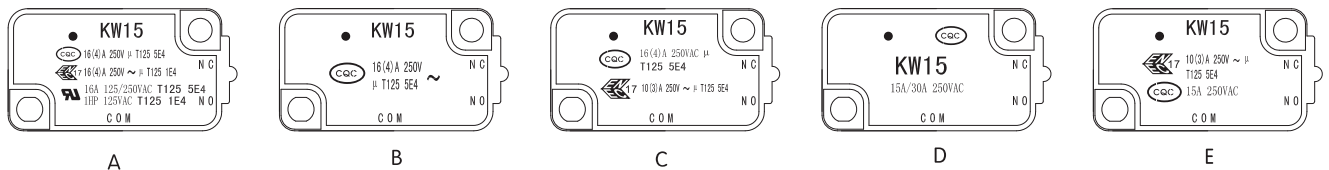
3 HOUSING CODE

Code	Diagram	Panel cut out(mm)	Match the project selection			
			Actuator	Circuit	Terminal	Marking
A			A1...Ai B/ C1...Ci/	11A/ 11B/ 12	A/ B/ H/ I	A/ B/ D
B				11B/	J/ C	C

4 KW15 CIRCUIT CODE

Code	Circuit	Description	Code	Circuit	Description
11A		SP-ST-NO	11B		SP-ST-NC
12		SP-DT			DP-ST-NC

5 Marking



KW15EXAMPLE





KW15-12-OAA-BBB



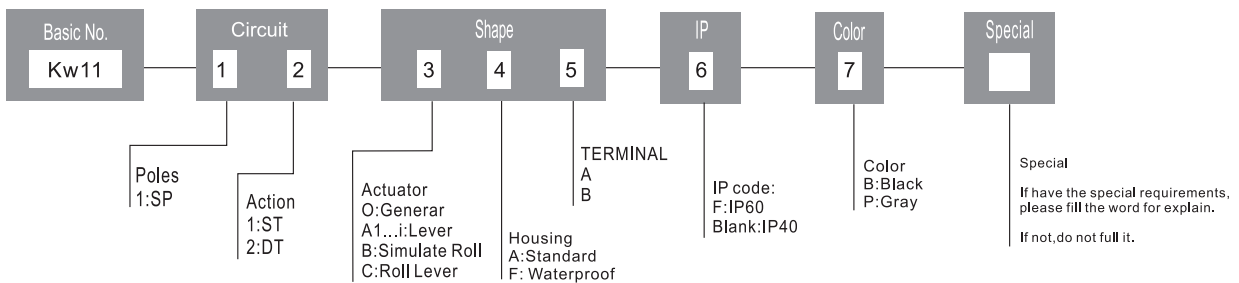
KW15-11A-C2AA-BBB



SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	50,000
Operating temperature	-25°C~+125°C
Max. Rating Current & Voltage	
  5(1)A 250VAC T105 μ 5E4 3(3)A 250VAC T105 μ 5E4	

HOW TO ORDER



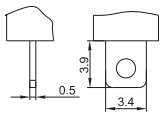
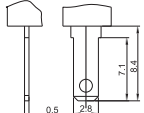
3 ACTUATOR CODE

Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description	Code	Diagram	Description
A1		17.5mm	A2		22.5mm	B		19mm	C		15mm

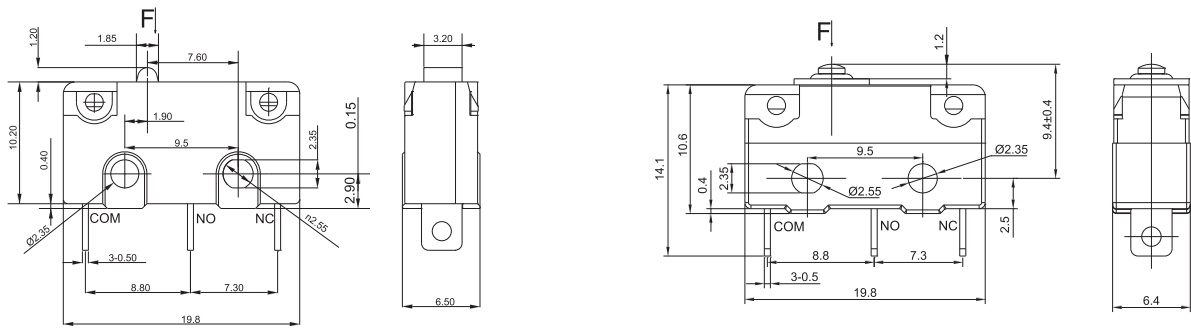
4 HOUSING CODE

Code	Diagram	Panel cut out (mm)	Match the project selection		
			ACTUATOR	Circuit	Terminal
A			A1...Ai B/ C	11(SP-ST) 12(SP-DT)	A/ B
F					

5 TERMINATION CODE

Code	Diagram
A	
B	

KW11 Overall Dimension(mm)



KW11 EXAMPLE



KW11-12-OFA-F-B



KW11-12-CFA-F-B



KW11-12-BFA-F-B



KW11-12-A1FA-F-B



KW11-12-A2FA-F-B



KW11-12-OAA-B



KW11-12-CAA-B



KW11-12-BAA-B

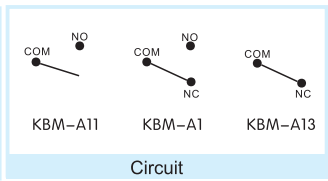
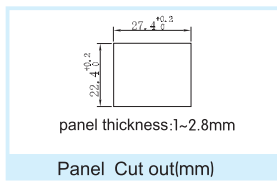
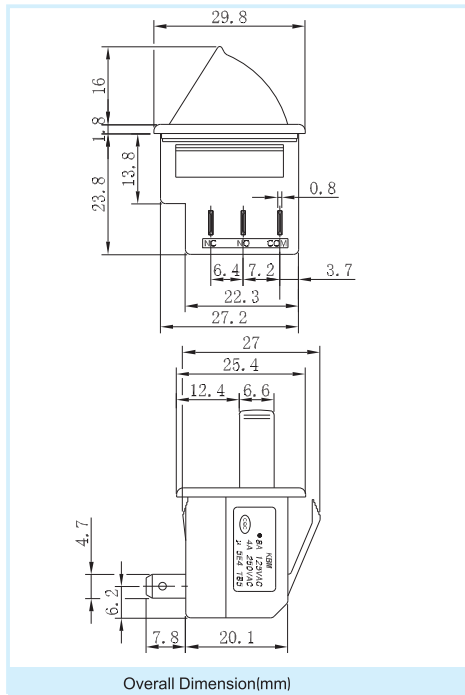


KW11-12-A1AA-B



KW11-12-A2AA-B

KBM-A



NO.	NO.&NC.	NC.
KBM-A11	KBM-A12	KBM-A13

Note: This product is the default color is white, other colors and special models, please contact the Company.

Model List

KBM EXAMPLE



KBM-112-W



KBM-113-W



KBM-113-P



KBM-114-B

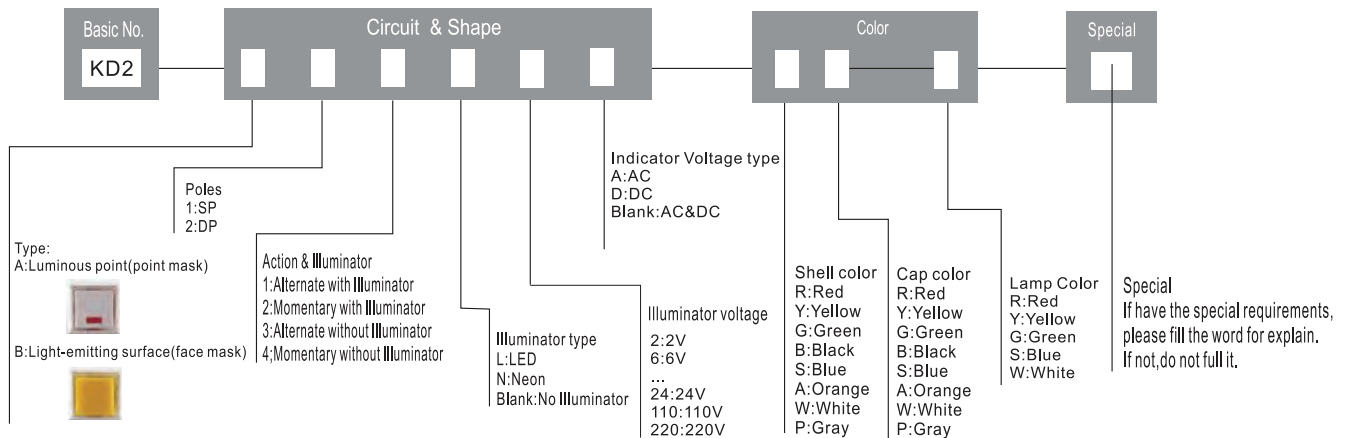


KBM-A13-W



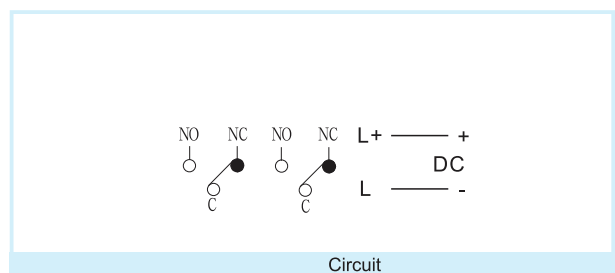
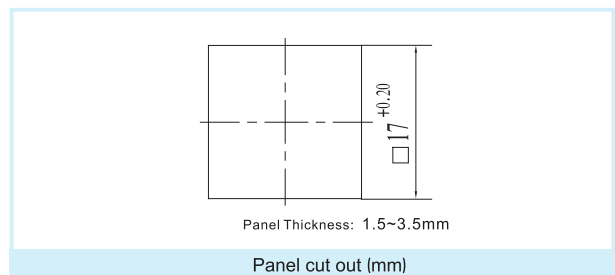
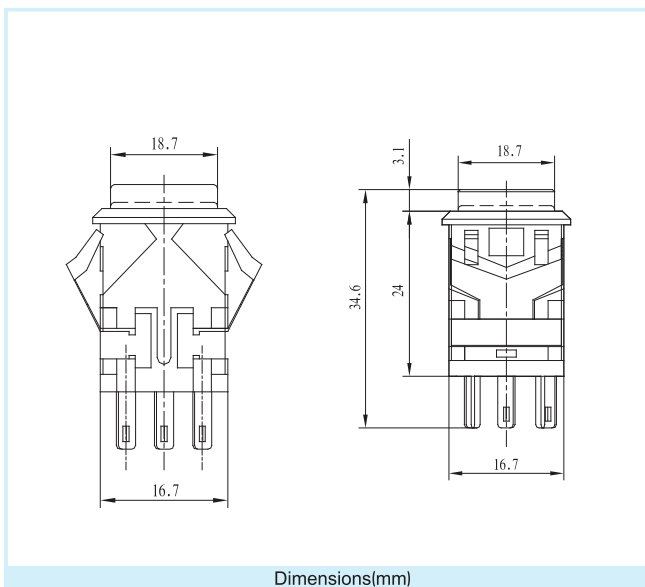
SPECIFICATION	
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	10,000
Mechanical Life (cycles)	50,000
Operating temperature	-25°C~+55°C
IP code	IP40
Max. Rating Current & Voltage	
	3A 250V AC

HOW TO ORDER



Example:KD2-A21L2WY

SIZE(mm)



Lighting pieces of performance indicator

■ (LED)

Operating voltage	2V	6V	12V	24V	110V	220V	Life	Equivalent circuit
Current	Less than 15mA			Less than 5mA			About 50,000 hours (but the brightness will be weakened as the life of using plus.)	
LED color	Red Green Blue Yellow Orange							
Cap Color	Red Green Blue Yellow Orange Black White Gray							

■ (Neon)

Operating voltage	110V AC	220V AC
Current	Less than 1mA	Less than 1mA
Neon color	Red Green	
Cap Color	Red Green	

Accessories



Kd2 the socket type for the dedicated button to switch socket, the socket can be used to facilitate the installation and replacement of switch switch, but also eliminates the need to switch the direct welding, in order to extend the service life of switch.

NOTE

- The shell main color is black and white.
- With light switches and other main types of AC-DC universal LED products, the voltage of products for 2V only DC products, the voltage of point LED products only can do the 2V. If you want the high-voltage, can circuit in series with an external resistor divider. Surface lighting more than 6V products (including 6V) more generic products for the AC and DC. If single voltage types require special instructions.
- The special voltage current and color needs to be customized.

KD2 EXAMPLE



KD2-A21L2D-WG-R



KD2-B21-WY



KD2-B21L2D-WR-R





KD2-A21L2D-BB-R



KD2-B21L12-WY-Y

- Note: Due to we couldn't get full information from the appearance, such as voltages, parameters and the switch with or without light, so the full model please refer to models based on the actual needs and the definition and parameters of table selection.

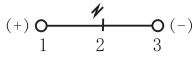
Model List

Shape	Products	Lamp	SP-Alternate	SP-Momentary
Round		LED	FD16-111L□-○	FD16-121L□-○
		Nero	FD16-111N■-○	FD16-121N■-○
		No lamp	FD16-111-○	FD16-121-○
Square		LED	FD16-112L□-○	FD16-122L□-○
		Nero	FD16-112N■-○	FD16-122N■-○
		No lamp	FD16-112-○	FD16-122-○

Note: LED table □ said DC voltage level, according to the needs of the circuit can choose to 2V, 6V, 12V, 24V. ■ said AC voltage rating of neon 110V, 220V. ■ color for the case on behalf of code, I have used shell companies for the black colors. ○ that the button color code.

Lighting pieces of performance indicators

■ LED

Operating voltage	2V	6V	12V	24V	110V	220V	Life	Equivalent circuit
Current	Less than 15mA				Less than 5mA		About 50,000 hours (but the brightness will be weakened as the life of using plus.)	
LED color	Red Green Blue Yellow Orange							
Cap Color	Red Green Blue Yellow Orange Black White Gray							

■ Neon

Operating voltage	110V AC	220V AC
Current	Less than 1mA	Less than 1mA
Neon color	Red Green	
Cap Color	Red Green	

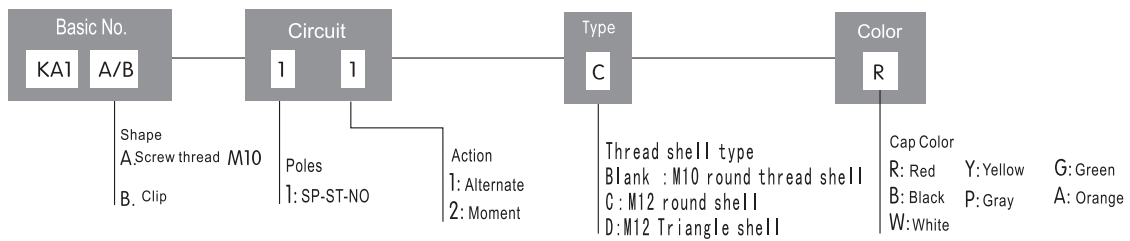
KA1A KA1B Series Pushbutton Switch

www.RelianceNorthAmerica.com

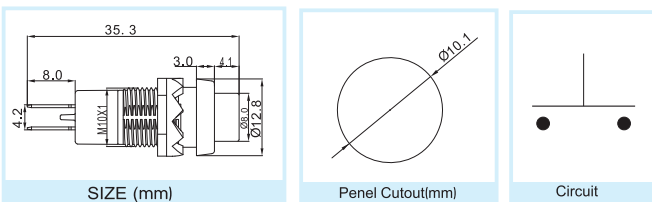


SPECIFICATION	
Contact Resistance	≤50mΩ
Insulation Resistance	100MΩ
Dielectric Strength	1,500V
Electronic Life(cycles)	10,000
Operating temperature	-25°C~+55°C
IP code	IP40
Max. Rating Current & Voltage	
	1A /250V AC

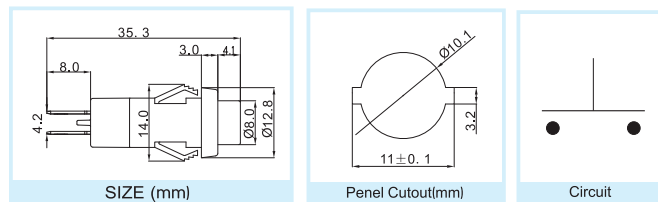
HOW TO ORDER



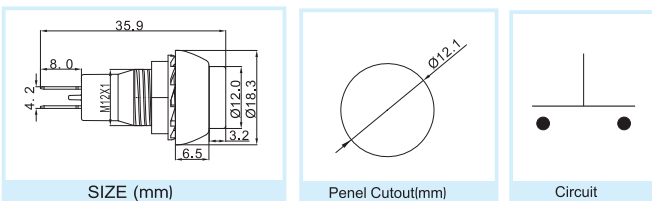
KA1A



KA1B



KA1A M12

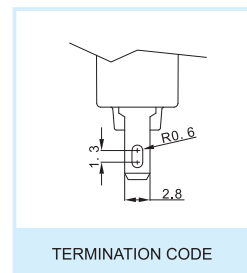
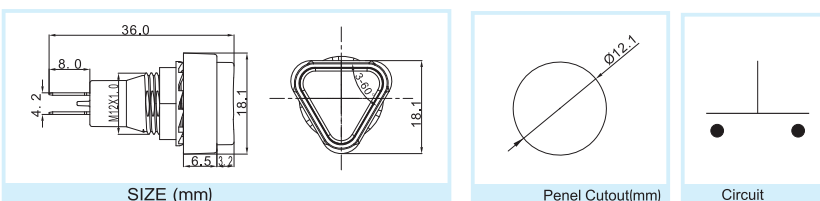


KA1A



KA1B


KA1A M12



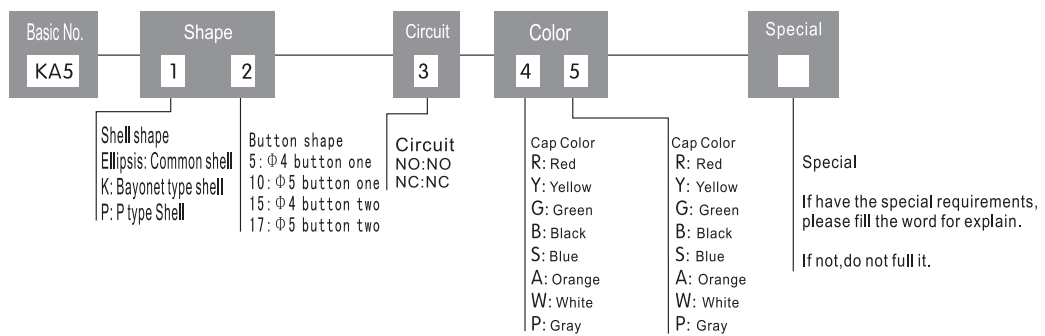
TERMINATION CODE



SPECIFICATION

Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Dielectric Strength	1,500V
Mechanical Life(cycles)	50,000
Electronic Life(cycles)	10,000
Operating temperature	-25℃~+55℃
IP code	IP40
Max. Rating Current & Voltage	
	1A /250V AC

HOW TO ORDER

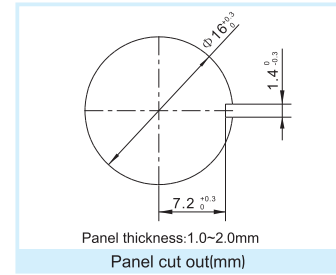
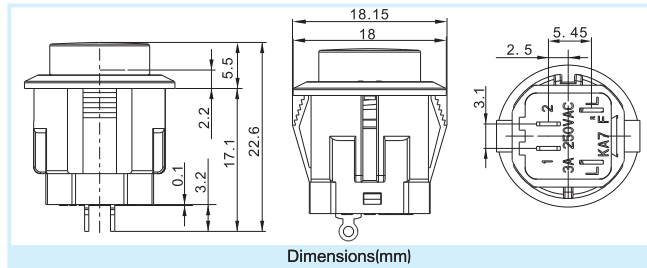
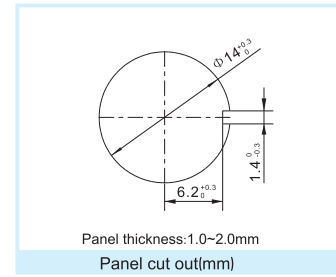
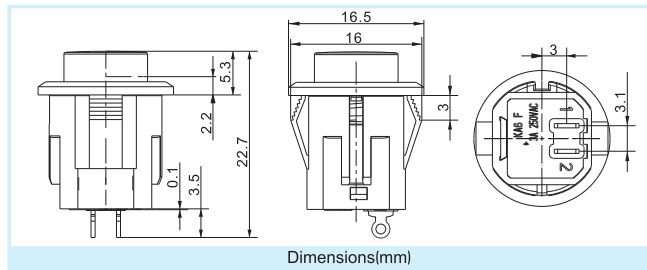


1 Shape

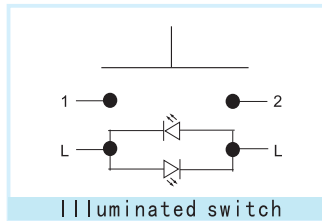
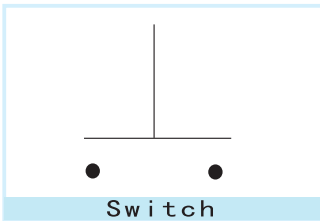
Code	Diagram	Panel cut out (mm)	Match the project selection	
			Button shape	Status
KA5			5/ 15	NO/ NC
KA5-K			10/ 17	NO
KA5-P			5/ 15	NO/ NC

2 Button shape

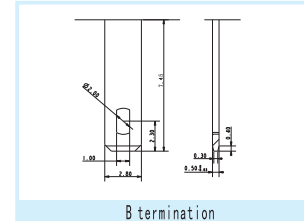
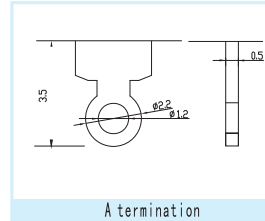
Code	5	10	15	17
Diagram				
Description	Φ4 button one	Φ5 button one	Φ4 button two	Φ5 button two



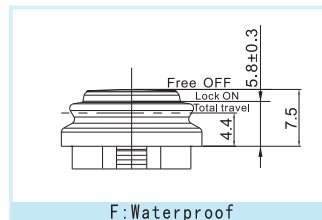
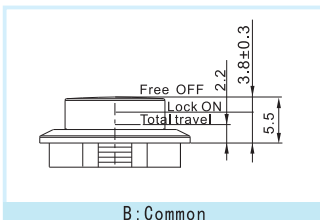
Circuit code



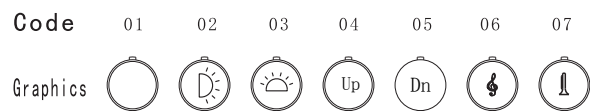
Termination code



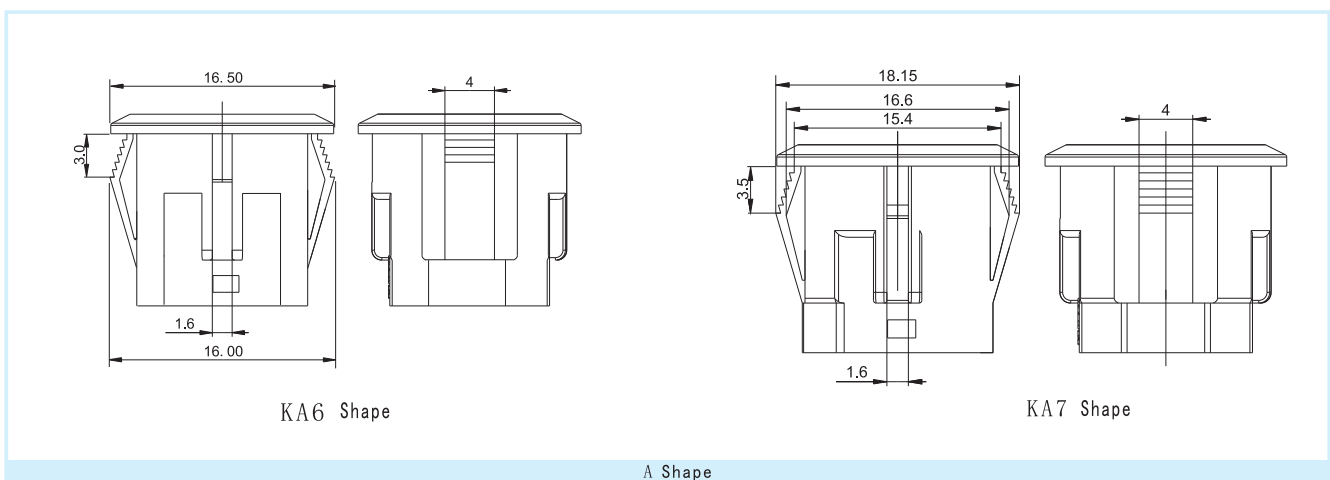
Actuator code



Marking




Shape code

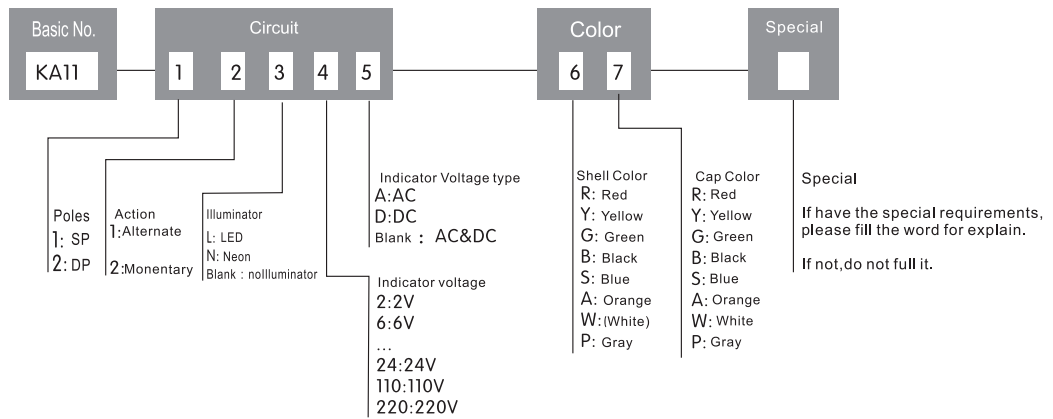




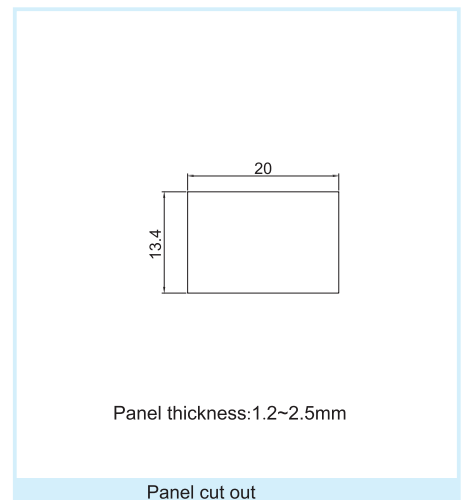
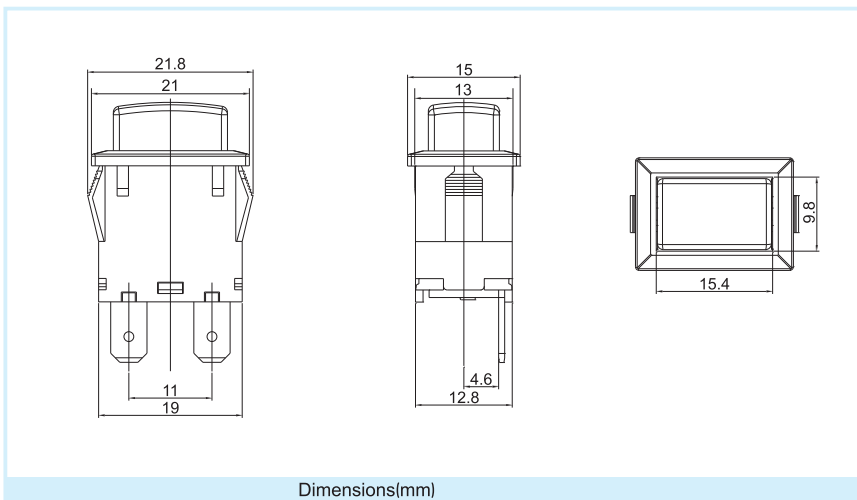
SPECIFICATION

Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ
Dielectric Strength	1,500V 1min
Mechanical Life(cycles)	50,000
Electronic Life(cycles)	10,000
Operating temperature	-25°C~+85°C
IP code	IP40
 CB	16(4)A 250VAC T85

HOW TO ORDER



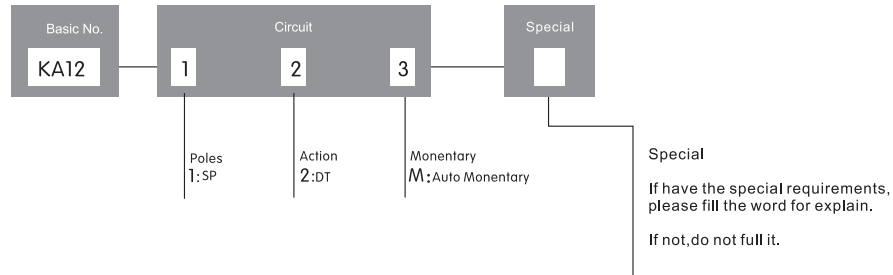
Overall & Dimensions(mm)



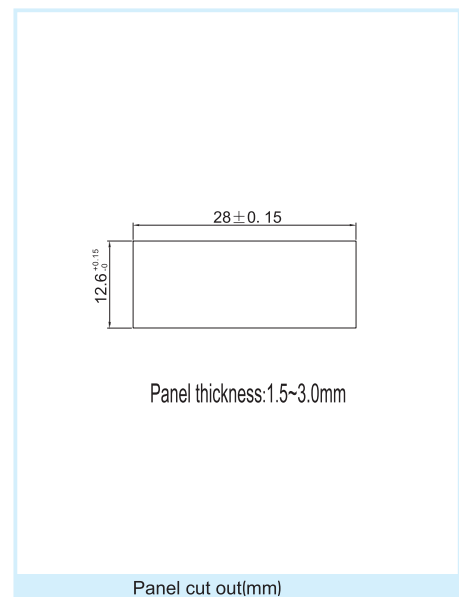
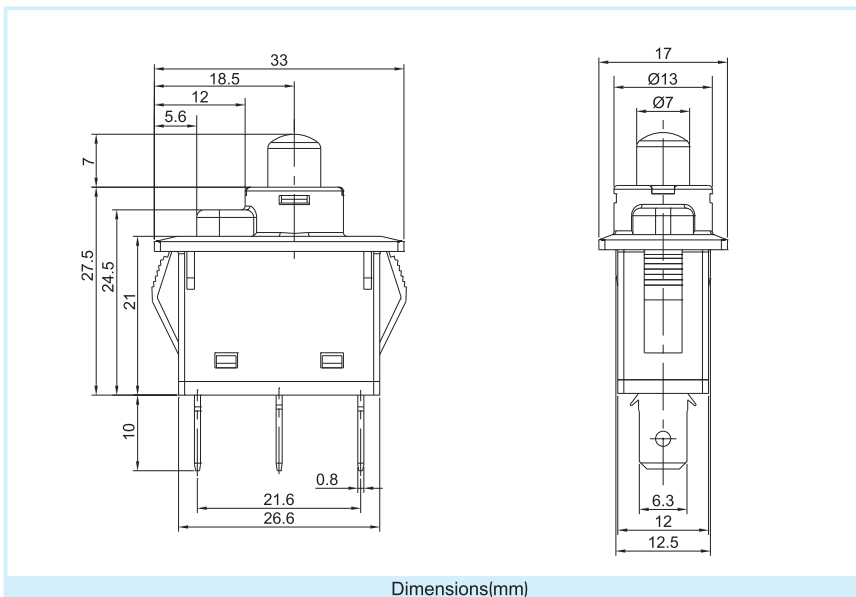


SPECIFICATION	
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ
Dielectric Strength	1,000V 1min
Mechanical Life(cycles)	100,000
Electronic Life(cycles)	50,000
Operating temperature	-25℃~+55℃
IP code	IP65
Max. Rating Current & Voltage	30A /12V DC

HOW TO ORDER



Overall & Dimensions(mm)



Patent No. :200930097860.1

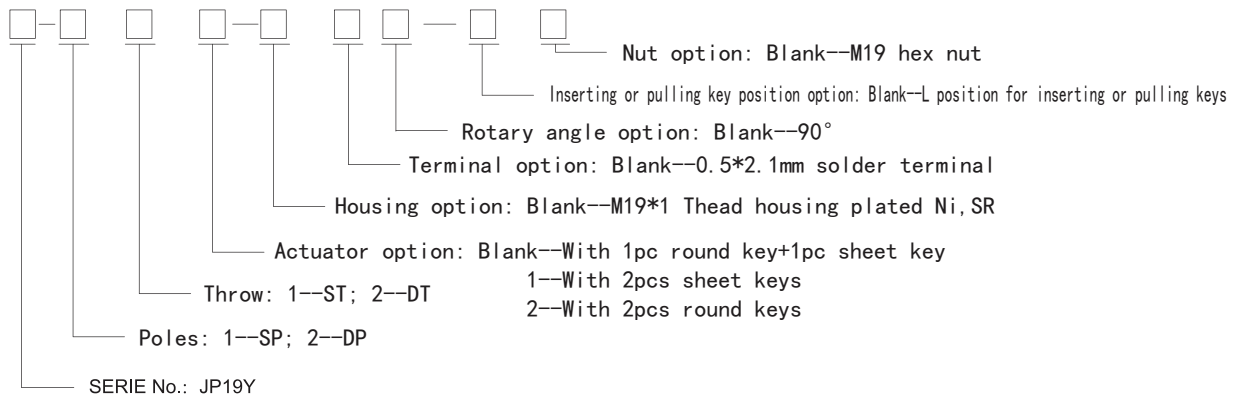
JP19Y Metal Key Switch



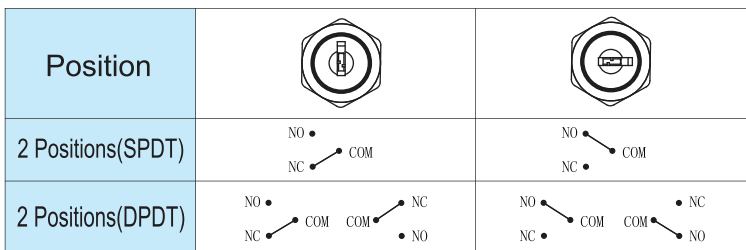
SPECIFICATION

Rating Current	4A/28V DC 4A/125V AC 2A/250V AC
Contact Resistance	$\leq 0.05 \Omega$ 25 C
Insulation Resistance	$\geq 500M \Omega$ (500VDC)
Operating temperature	-20 C ~ +60 C
Store temperature	-20 C ~ +80 C
Dielectric Strength	50Hz, 1500VAC, 1min
Corrosion resistance	>48H Salt spray
Electronic life(cycles)	10, 000
Mechanical life(cycles)	20, 000

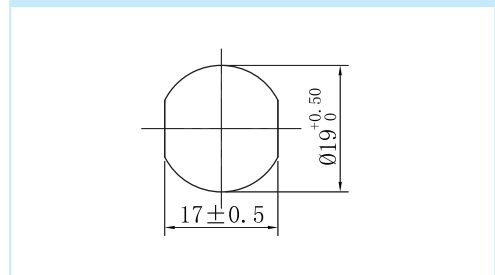
HOW TO ORDER



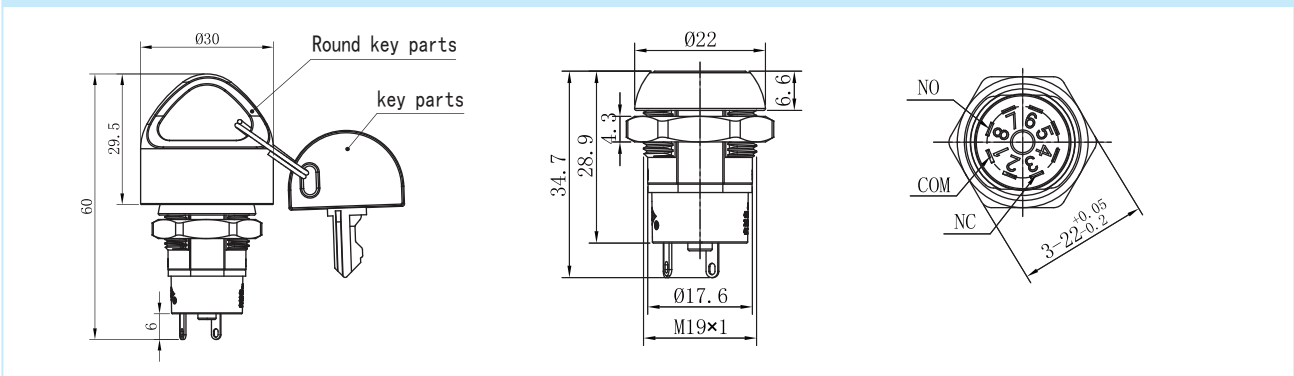
CIRCUIT DIAGRAM



PANEL CUT OUT



DIMENSIONS

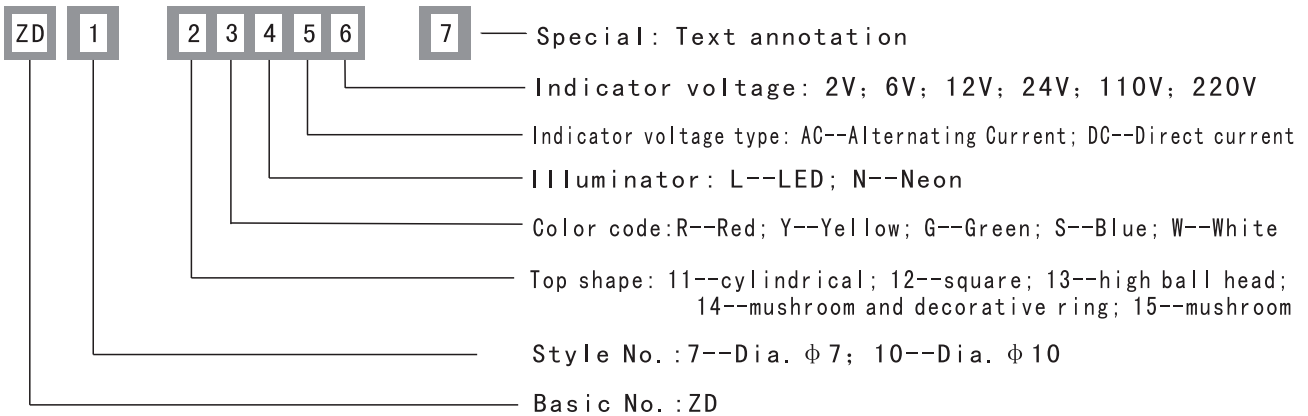




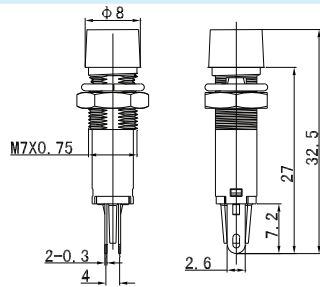
SPECIFICATION

1. Power frequency with stand voltage: 2.5Kv per minute. (effective AC value)
2. Insulation resistance: $\geq 2M\Omega$
3. Rated voltage > 48 v, allow voltage fluctuation plus or minus 20%; Acutities 48 v, allow voltage fluctuation plus or minus 5%
4. LED continuous working life 30000 hours or more; Neon continuous working life 3000 hours or more
5. CTI: $\geq 2M\Omega$
6. Applying frequency: AC50~60Hz

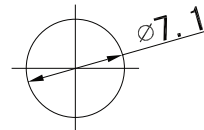
HOW TO ORDER



ZD7-11



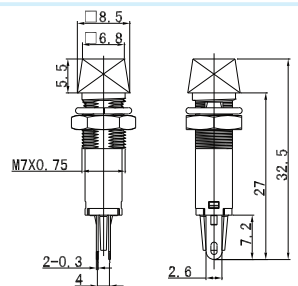
Overall Dimension (mm)



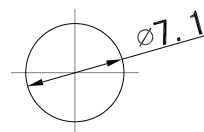
Pennl Cut out (mm)



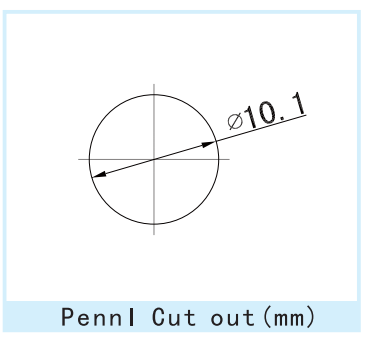
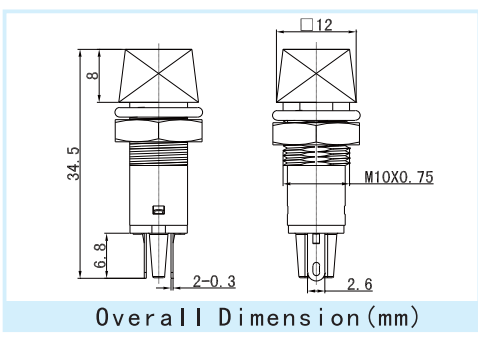
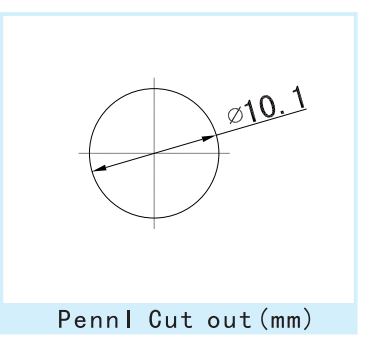
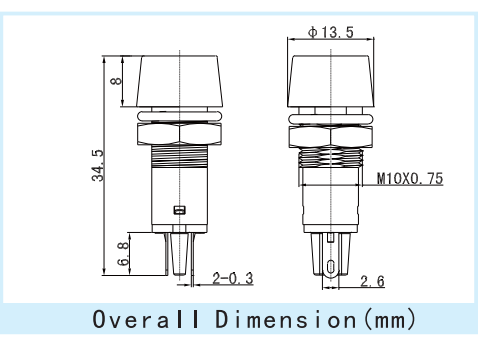
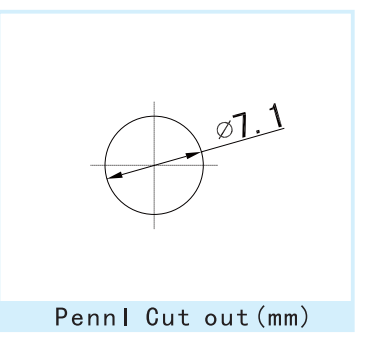
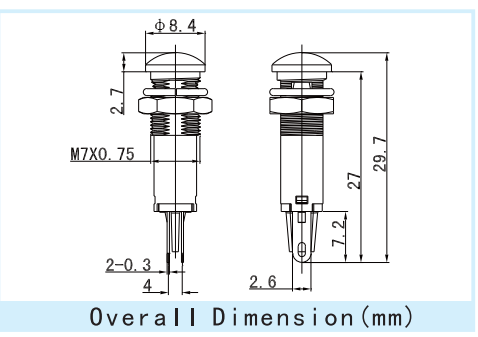
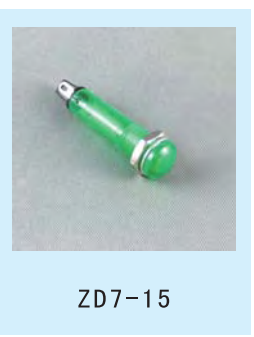
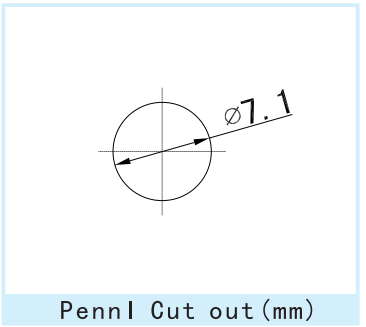
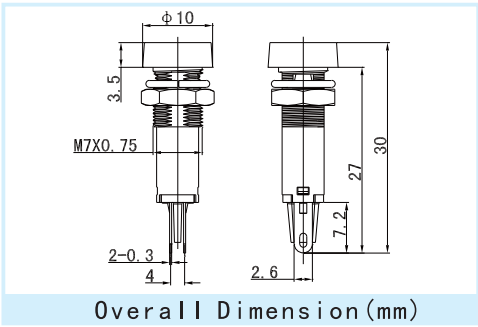
ZD7-12



Overall Dimension (mm)

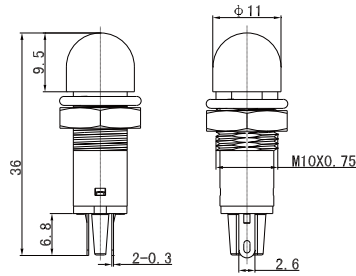


Pennl Cut out (mm)

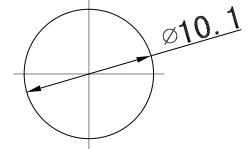




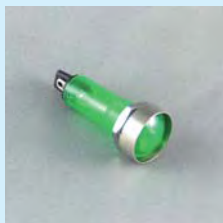
ZD10-13



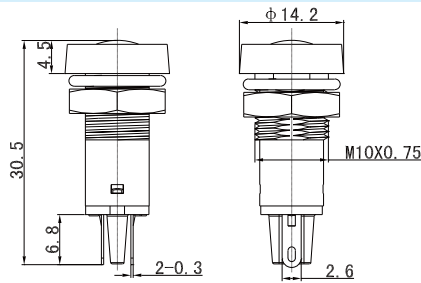
Overall Dimension (mm)



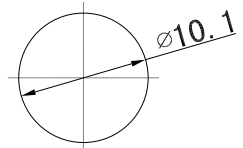
Penn I Cut out (mm)



ZD10-14



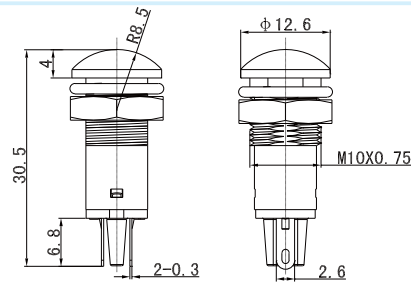
Overall Dimension (mm)



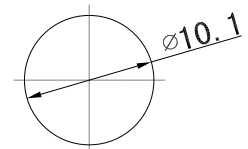
Penn I Cut out (mm)



ZD10-15



Overall Dimension (mm)



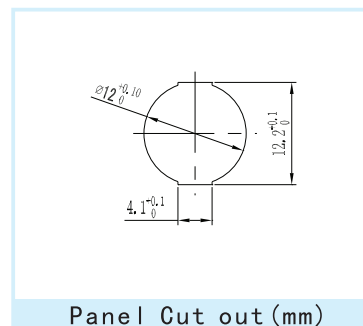
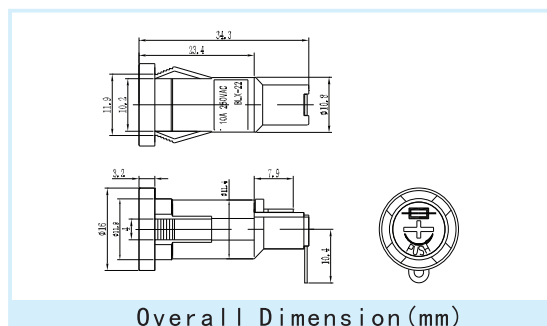
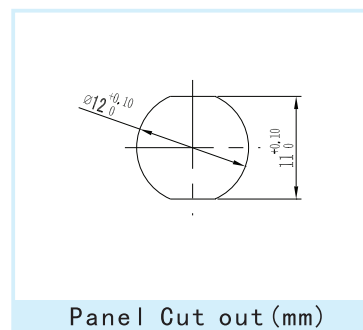
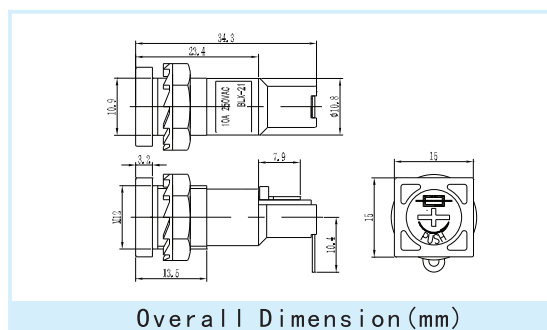
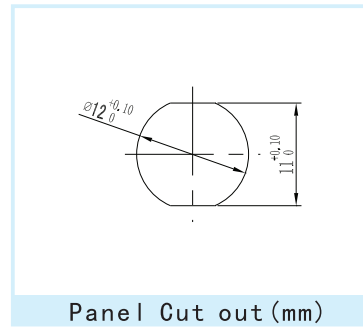
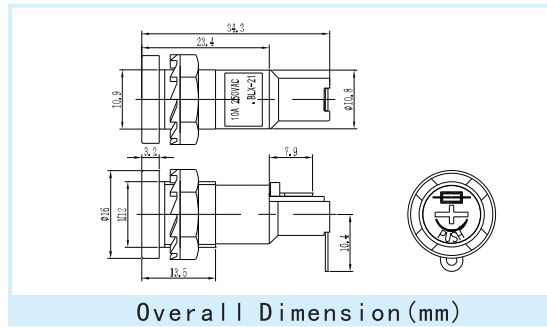
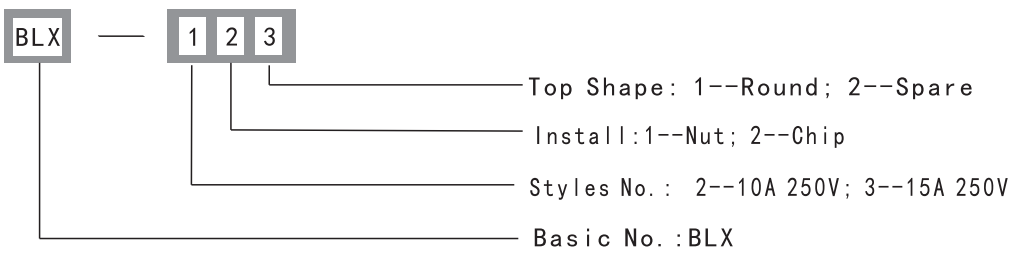
Penn I Cut out (mm)



SPECIFICATION

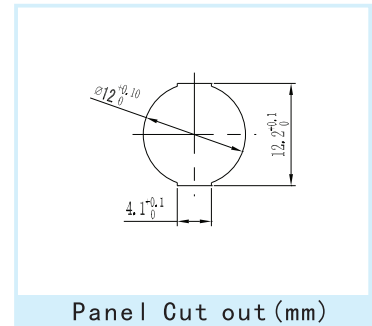
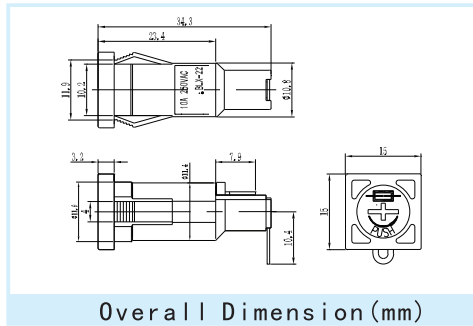
Specification \ Styles	BLX-2	BLX-3
Max. Rating Current Voltage (Resistive Load)	10A 250V	15A 250V
Adapt to the fuse wire	Φ5×20	Φ6×30
Contact Resistance	≤50MΩ	
Insulated Resistance	≥100MΩ	
Dielectric Strength	≥100MΩ	

HOW TO ORDER

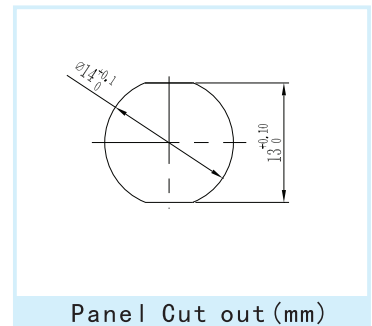
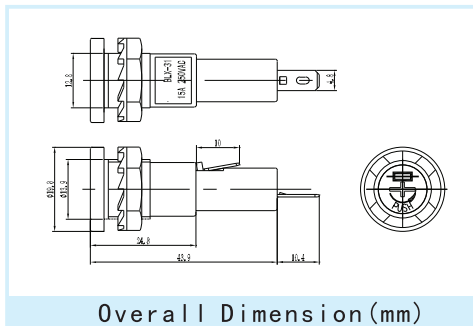




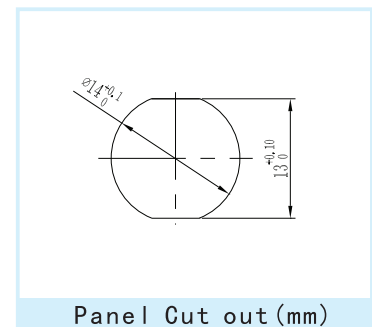
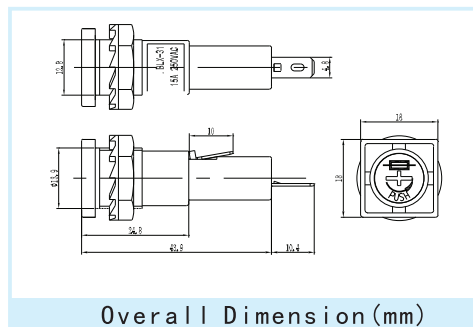
BLX-222



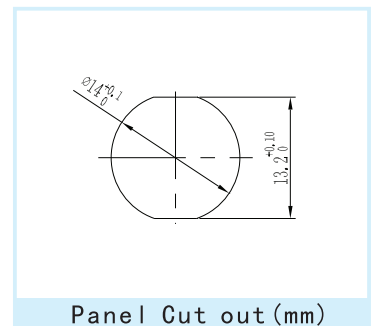
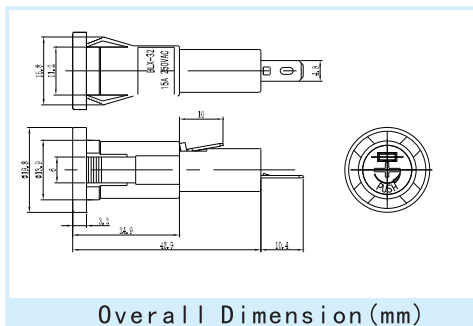
BLX-311



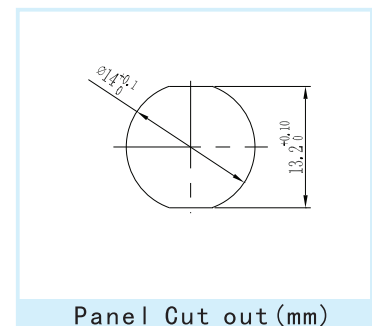
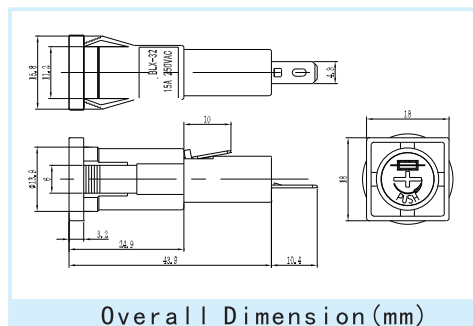
BLX-312



BLX-321



BLX-322



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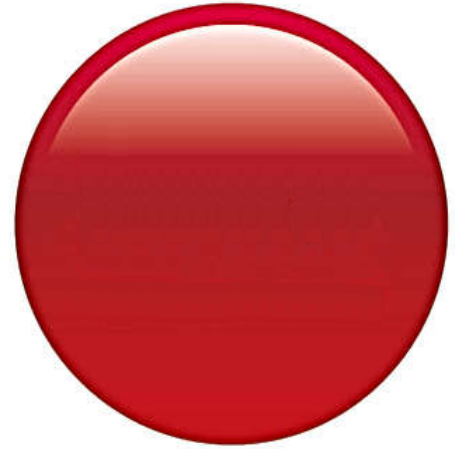
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Certificate



Sales Center



Assembly Workshop



Testing Product



Numerical Control Workshop

Model Explanation

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Terminal Type	Color of Lamp and Colorized Button	Lamp Voltage	The Crust Material	Color of Colorful push button's head or Case
YXGQ	★	■	— □	◇	/ ◆	/ ▲	/ ●	/ ★	
8 Φ8mm 12 Φ12mm 16 Φ16mm 19 Φ19mm 22 Φ22mm	B Domed F Flat Round H High Round P Flat C Concave M Mushroom push button	10 1NO	D Dot E Ring Em Buzzer with illumination	J Pin Terminal No letter means screw terminal.	R Red G Green Y Yellow O Orange B Blue W White	AC/DC6V AC/DC12V AC/DC24V AC/DC36V Other voltage can be made to order	N Nickel-plated Brass G Gold-plated Brass S Stainless Steel A Zn-al Alloy(Black) T Zn-al Alloy(Silver White)	R Red G Green O Blue B White N Black	

Note: Mushroom push button switch is just available for HBGQ16M-10D/J HBGQ16M-10/J

Note: Please carefully read the product specification, then select the appropriate code according to different symbols in the table.

Switch Structure Explanation

Type	Symbol	Diagram	Explanation
X			Switch with two terminal breakpoints slow moving contact Individual products can be customized Y-type normally closed switch, refer to product description.
Y			

LED Lamp Specifications

Lamp Type	Bi-directional LED lamp (AC DC Universal)	<p>Lamp Equivalent Circuit</p>
Rated Voltage	1.8V、2.8V、6V、12V、24V、36V	
Rated Current	15mA about 15mA	
Color	R G O B W	
Life	50000 hours (reference value)	

AC-DC Universal LED lamp, terminal differentiate between positive and negative; lamp beads built-in protection resistors, no external.

Note: Unidirectional DC LED lamp can be customized if needed; other voltage specifications could be special made

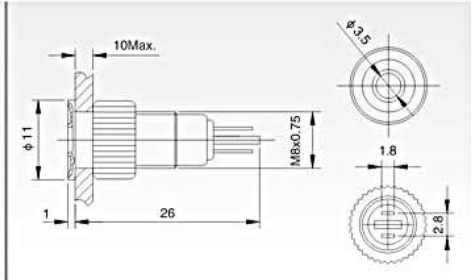
Installation Effect Preview



YXGQ8C-D/Δ/▲/N



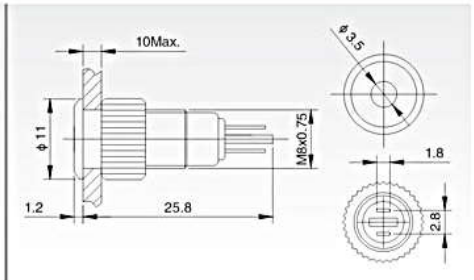
- Mounting Hole Size: $\phi 8\text{mm}$
- Voltage Class: $\leq 220\text{V}$
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass
- Protection Degree: IP67,IK10



YXGQ8F-D/Δ/▲/N



- Mounting Hole Size: $\phi 12\text{mm}$
- Voltage Class: $\leq 220\text{V}$
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass
- Protection Degree: IP67,IK10

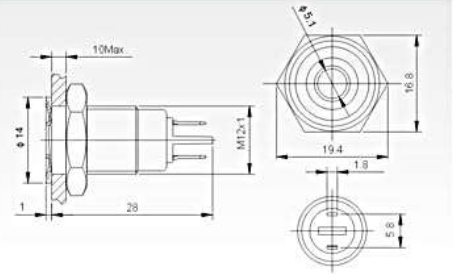


Specifications	YXGQ8C-D/Δ/▲/N	YXGQ8F-D/Δ/▲/N	
Terminal Type	Pin Terminal (1.8×0.4mm)	Pin Terminal (1.8×0.4mm)	
Dielectric Strength	1100VAC	1100VAC	
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃	
Panel Thickness	1 ~ 10mm	1 ~ 10mm	
Torque	5 ~ 14Nm	5 ~ 14Nm	
Protection Degree	IP67,IK10	IP67,IK10	
Material	Shade	PC	
	Case	Nickel-plated Brass	
	Base	PBT	
Lamp Parameters	RoHS	Can be made to order	
	Type	(LED) dot-illumination flat-concave	
	Rated Voltage	2V/6V/12V/24V/36V 110V/220V	2V/6V/12V/24V/36V 110V/220V
	Rated Current	about15mA about3mA	about15mA about3mA
	Color	R G Y O B W	R G Y O B W
	Life	50000 hours	50000 hours

YXGQ12C-D/△/▲/N



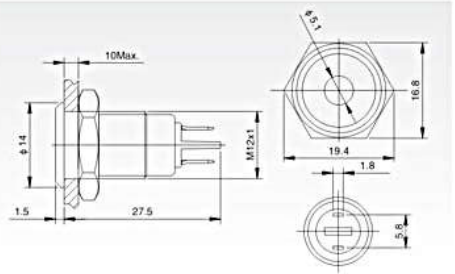
- Mounting Hole Size: Φ 12mm
- Voltage Class: \leq 220V
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass
- Protection Degree: IP67,IK10



YXGQ12F-D/△/▲/N



- Mounting Hole Size: Φ 12mm
- Voltage Class: \leq 220V
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass
- Protection Degree: IP67,IK10

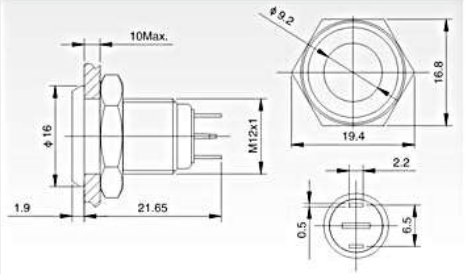


Specifications		YXGQ12C-D/△/▲/N	YXGQ12F-D/△/▲/N
Terminal Type		Pin Terminal (1.8 × 0.4mm)	Pin Terminal (1.8 × 0.4mm)
Dielectric Strength		2000VAC	2000VAC
Operating Temperature		-20°C ~ +55°C	-20°C ~ +55°C
Panel Thickness		1 ~ 10mm	1 ~ 10mm
Torque		5 ~ 14Nm	5 ~ 14Nm
Protection Degree		IP67,IK10	IP67,IK10
Material	Shade	PC	PC
	Case	Nickel-plated Brass	Nickel-plated Brass
	Base	PBT	PBT
RoHS		Can be made to order	Can be made to order
Lamp Parameters	Type	(LED) dot-illumination flat-concave	(LED) dot-illumination flat
	Rated Voltage	2V/6V/12V/24V/36V 110V/220V	2V/6V/12V/24V/36V 110V/220V
	Rated Current	about 15mA about 3mA	about 15mA about 3mA
	Color	R G Y O B W	R G Y O B W
	Life	50000 hours	50000 hours

YXGQ12F-D/J/Δ/▲/○



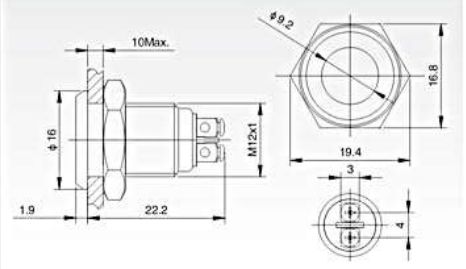
- Mounting Hole Size: ϕ 12mm
- Voltage Class: \leq 220V
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass/Stainless Steel
- Protection Degree: IP67,IK10



YXGQ12F-D/Δ/▲/○



- Mounting Hole Size: ϕ 12mm
- Voltage Class: \leq 220V
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass/Stainless Steel
- Protection Degree: IP67,IK10

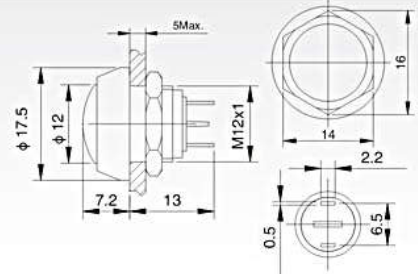


Specifications		YXGQ12F-D/J/Δ/▲/○		YXGQ12F-D/Δ/▲/○	
Terminal Type		Pin Terminal(2.0×0.5mm)		Screw Terminal	
Dielectric Strength		2000VAC		2000VAC	
Operating Temperature		-20℃ ~ +55℃		-20℃ ~ +55℃	
Panel Thickness		1 ~ 10mm		1 ~ 10mm	
Torque		5 ~ 14Nm		5 ~ 14Nm	
Protection Degree		IP67,IK10		IP67,IK10	
Material	Shade	PC		PC	
	外壳 Case	Stainless Steel/Nickel-plated Brass		Stainless Steel/Nickel-plated Brass	
	Base	PBT		PBT	
RoHS		Can be made to order		Can be made to order	
Lamp Parameters	Type	(LED) Flat dot		(LED) Flat dot	
	Rated Voltage	2V/6V/12V/24V/36V	110V/220V	2V/6V/12V/24V/36V	110V/220V
	Rated Current	about15mA	about3mA	about15mA	about3mA
	Color	R G Y O B W		R G Y O B W	
	Life	50000 hours		50000 hours	

☉ YXGQ12B-10/J/A/★



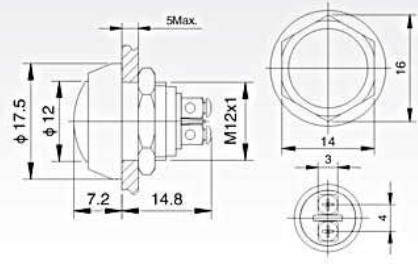
- ☉ Mounting Hole Size: ϕ 12mm
- ☉ Switch Rating: 2A/36VDC
- ☉ Contact Configuration: 1NO
- ☉ Operation Type: Momentary
- ☉ The Front Shape: Domed
- ☉ The Crust Material: Zn-al Alloy
- ☉ Protection Degree: IP65,IK08



☉ YXGQ12B-10/A/★



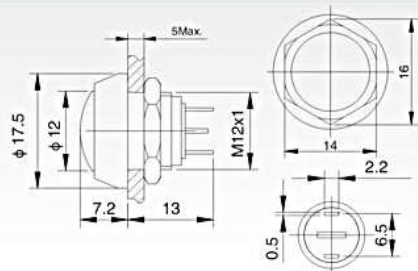
- ☉ Mounting Hole Size: ϕ 12mm
- ☉ Switch Rating: 2A/36VDC
- ☉ Contact Configuration: 1NO
- ☉ Operation Type: Momentary
- ☉ The Front Shape: Domed
- ☉ The Crust Material: Zn-al Alloy
- ☉ Protection Degree: IP65,IK08



☉ YXGQ12B-10/J/☉



- ☉ Mounting Hole Size: ϕ 12mm
- ☉ Switch Rating: 2A/36VDC
- ☉ Contact Configuration: 1NO
- ☉ Operation Type: Momentary
- ☉ The Front Shape: Domed
- ☉ The Crust Material: Nickel-plated Brass, Stainless Steel
- ☉ Protection Degree: IP65,IK08

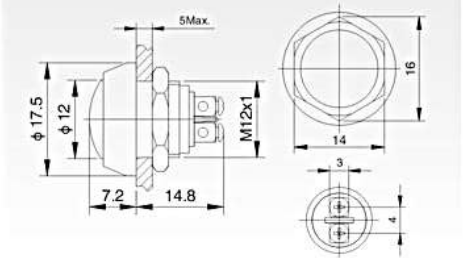


Specifications	YXGQ12B-10/J/A/★	YXGQ12B-10/A/★	YXGQ12B-10/J/☉
Terminal Type	Pin Terminal(2 × 0.5mm)	Screw Terminal	Pin Terminal(2 × 0.5mm)
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	≤ 50m Ω	≤ 50m Ω	≤ 50m Ω
Insulation Resistance	≥ 1000M Ω	≥ 1000M Ω	≥ 1000M Ω
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 5mm	1 ~ 5mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About 5N	About 5N	About 4N
Operating Stroke	About 2.5 mm	About 2.5 mm	About 2.5 mm
Protection Degree	IP65,IK08	IP65,IK08	IP65,IK08
Material	Contact	Silver Alloy	Silver Alloy
	Button	PBT	PBT
	Case	Zn-al Alloy	Zn-al Alloy
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order
Head Color	R G Y O B W N	R G Y O B W N	CD Stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass, Stainless Steel

YXGQ12B-10/○



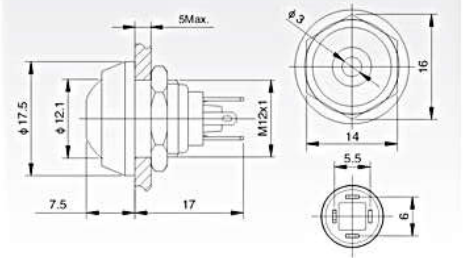
- Mounting Hole Size: $\phi 12\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Nickel-plated Brass, Stainless Steel
- Protection Degree: IP65,IK08



YXGQ12B-10D/J/△/▲/A/★



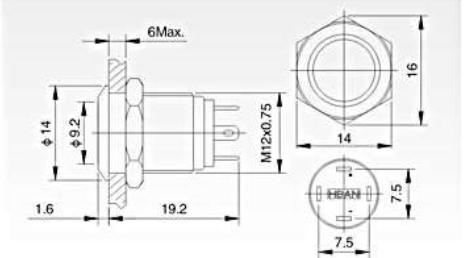
- Mounting Hole Size: $\phi 12\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Crust Material: Zn-al Alloy
- illuminated type: Dot
- Protection Degree: IP65,IK08



YXGQ12F-10/J/○



- Mounting Hole Size: $\phi 12\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Flat
- The Crust Material: Nickel-plated Brass, Stainless Steel
- Protection Degree: IP65,IK08

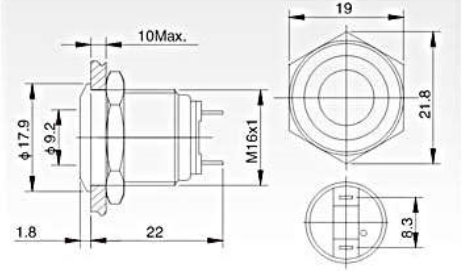


Specifications	YXGQ12B-10/○	YXGQ12B-10D/J/△/▲/A/★	YXGQ12F-10/J/○
Terminal Type	Screw Terminal	Pin Terminal(2 × 0.5mm)	Pin Terminal(2 × 0.5mm)
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 5mm	1 ~ 10mm	1 ~ 5mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About 5N	About 5N	About 5N
Operating Stroke	About 2.5 mm	About 2.5 mm	About 1.8 mm
Protection Degree	IP65,IK08	IP65,IK08	IP65,IK08
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD Stainless Steel: Mirror Surface, CD Pattern	PBT
	Case	Nickel-plated Brass, Stainless Steel	Zn-al Alloy
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	可定制 Can be made to order
Head Color		R G Y O B W	

YXGQ16F-D/J/Δ/▲/◎



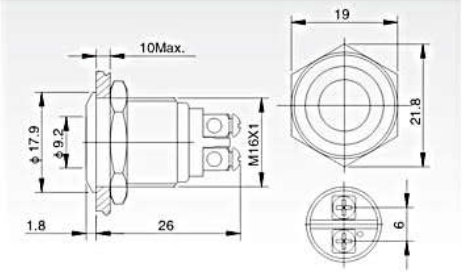
- Mounting Hole Size: Φ 16mm
- Voltage Class: \leq 220V
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass, Stainless Steel
- Protection Degree: IP67,IK10



YXGQ16F-D/Δ/▲/◎



- Mounting Hole Size: Φ 16mm
- Voltage Class: \leq 220V
- Rated Current: 15mA
- Lamp Type: LED
- Lamp Color: Red / Green / Yellow / Orange / Blue / White
- The Crust Material: Nickel-plated Brass, Stainless Steel
- Protection Degree: IP67,IK10

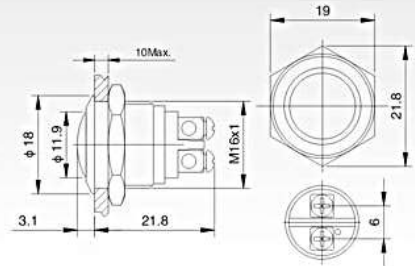


Specifications		YXGQ16F-D/J/Δ/▲/◎		YXGQ16F-D/Δ/▲/◎	
Terminal Type		Pin Terminal(2.0×0.5mm)		Screw Terminal	
Dielectric Strength		2000VAC		2000VAC	
Operating Temperature		-20℃ ~ +55℃		-20℃ ~ +55℃	
Panel Thickness		1 ~ 10mm		1 ~ 10mm	
Torque		5 ~ 14Nm		5 ~ 14Nm	
Protection Degree		IP67,IK10		IP67,IK10	
Material	Shade	PC		PC	
	Case	Stainless Steel/Nickel-plated Brass		Stainless Steel/Nickel-plated Brass	
	Base	PBT		PBT	
RoHS		Can be made to order		Can be made to order	
Lamp Parameters	Type	(LED) Flat dot		(LED) Flat dot	
	Rated Voltage	2V/6V/12V/24V/36V	110V/220V	2V/6V/12V/24V/36V	110V/220V
	Rated Current	about15mA	about3mA	about15mA	about3mA
	Color	R G Y O B W		R G Y O B W	
	Life	50000 hours		50000 hours	

YXGQ16B-10/



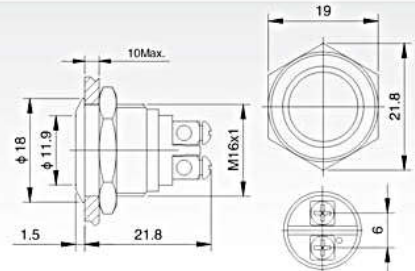
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16F-10/



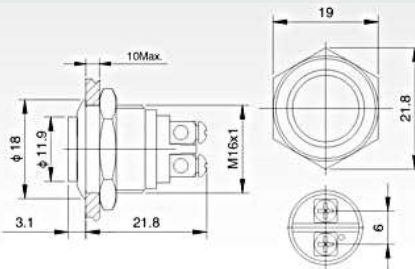
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16H-10/



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

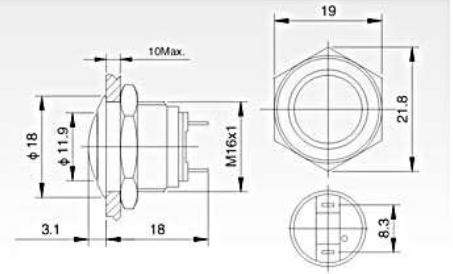


Specifications	YXGQ16B-10/	YXGQ16F-10/	YXGQ16H-10/	
The Front Shape	Domed	Flat Round	High Round	
Terminal Type	Screw Terminal	Screw Terminal	Screw Terminal	
Switch Type	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)	
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC	
Contact Resistance	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	
Insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	
Dielectric Strength	2000VAC	2000VAC	2000VAC	
Operating Temperature	$-20^\circ\text{C} \sim +55^\circ\text{C}$	$-20^\circ\text{C} \sim +55^\circ\text{C}$	$-20^\circ\text{C} \sim +55^\circ\text{C}$	
Mechanical Life	100万次以上 >1,000,000 times	100 >1,000,000 times	100万次以上 >1,000,000 times	
Electrical Life	20万次以上 >200,000 times	20 >200,000 times	20万次以上 >200,000 times	
Panel Thickness	1 ~ 6mm	1 ~ 6mm	1 ~ 6mm	
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm	
Operating Pressure	about 4N	about 4N	about 4N	
Operating Stroke	about 1.5mm	about 1.5mm	about 1.5mm	
Protection Degree	IP65,IK08	IP65,IK08	IP65,IK08	
Material	Contact	Silver Alloy	Silver Alloy	Silver Alloy
	Button	CD stainless Steel; Mirror Surface, CD Pattern	CD stainless Steel; Mirror Surface, CD Pattern	CD stainless Steel; Mirror Surface, CD Pattern
	Case	CD stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT	PBT
	RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ16B-10/J



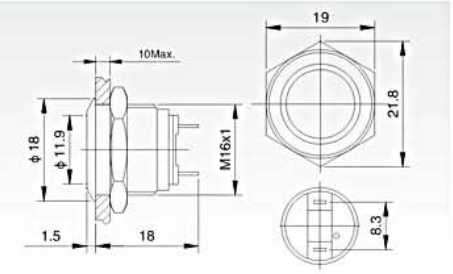
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16F-10/J



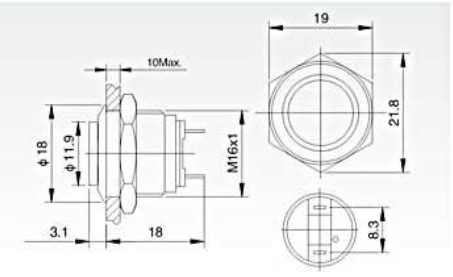
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16H-10/J



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel Nickel-plated Brass
- Protection Degree: IP65,IK08

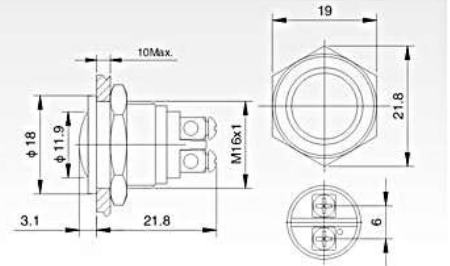


Specifications	YXGQ16B-10/J	YXGQ16F-10/J	YXGQ16H-10/J
The Front Shape	Domed	Flat Round	High Round
Terminal Type	Pin Terminal(2 x 0.5mm)	Pin Terminal(2 x 0.5mm)	Pin Terminal(2 x 0.5mm)
Switch Type	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20万次以上 >200,000 times	20万次以上 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 6mm	1 ~ 6mm	1 ~ 6mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	about 4N	about 4N	about 4N
Operating Stroke	about 1.5mm	about 1.5mm	about 1.5mm
Protection Degree	IP65,IK08	IP65,IK08	IP65,IK08
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ16PB-10/



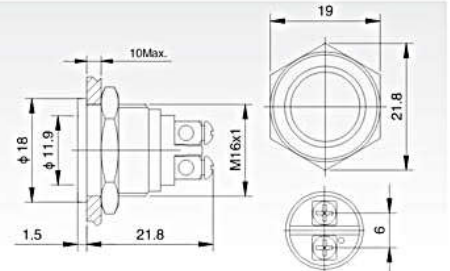
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16PF-10/



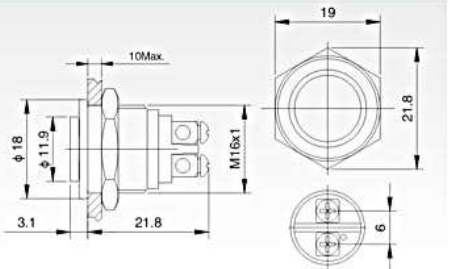
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16PH-10/



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

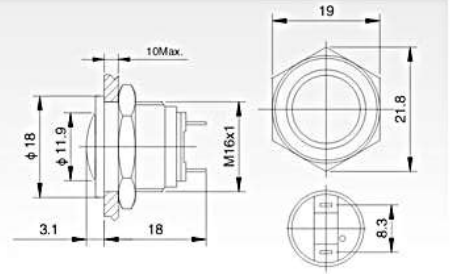


Specifications	YXGQ16PB-10/	YXGQ16PF-10/	YXGQ16PH-10/	
The Front Shape	Domed	Flat Round	High Round	
Terminal Type	Screw Terminal	Screw Terminal	Screw Terminal	
Switch Type	X <small>(Two terminal breakpoints slow moving contact)</small>	X <small>(Two terminal breakpoints slow moving contact)</small>	X <small>(Two terminal breakpoints slow moving contact)</small>	
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC	
Contact Resistance	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	
Insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	
Dielectric Strength	2000VAC	2000VAC	2000VAC	
Operating Temperature	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times	
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times	
Panel Thickness	1 ~ 6mm	1 ~ 6mm	1 ~ 6mm	
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm	
Operating Pressure	about 4N	about 4N	about 4N	
Operating Stroke	about 1.5mm	about 1.5mm	about 1.5mm	
Protection Degree	IP65,IK08	IP65,IK08	IP65,IK08	
Material	Contact	Silver Alloy	Silver Alloy	Silver Alloy
	Button	CD stainless Steel; Mirror Surface, CD Pattern	CD stainless Steel; Mirror Surface, CD Pattern	CD stainless Steel; Mirror Surface, CD Pattern
	Case	CD stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD stainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT	PBT
	RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ16PB-10/J/



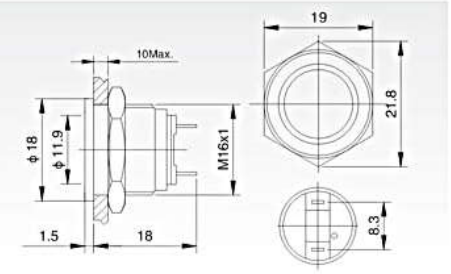
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16PF-10/J/



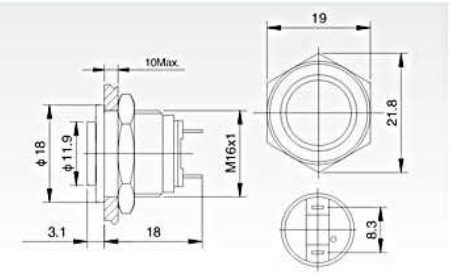
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16PH-10/J/



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel Nickel-plated Brass
- Protection Degree: IP65,IK08

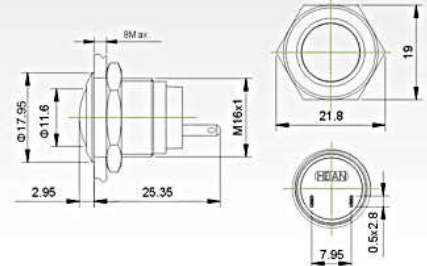


Specifications		YXGQ16PB-10/J/	YXGQ16PF-10/J/	YXGQ16PH-10/J/
The Front Shape		Domed	Flat Round	High Round
Terminal Type		Pin Terminal(2 x 0.5mm)	Pin Terminal(2 x 0.5mm)	Pin Terminal(2 x 0.5mm)
Switch Type		X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)
Switch Specifications		2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance		$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$
Insulation Resistance		$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$
Dielectric Strength		2000VAC	2000VAC	2000VAC
Operating Temperature		$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Mechanical Life		100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life		20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness		1 ~ 6mm	1 ~ 6mm	1 ~ 6mm
Torque		5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure		about 4N	about 4N	about 4N
Operating Stroke		about 1.5mm	about 1.5mm	about 1.5mm
Protection Degree		IP65,IK08	IP65,IK08	IP65,IK08
Material	Contact	Silver Alloy	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern	CD纹 tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT	PBT
	RoHS	Can be made to order	可定制 Can be made to order	Can be made to order

YXGQ16B-10Z/J



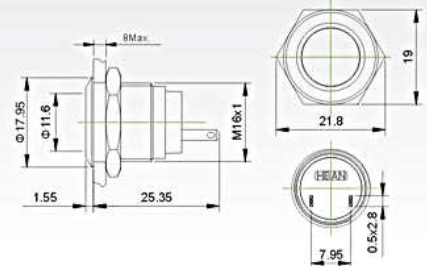
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16F-10Z/J



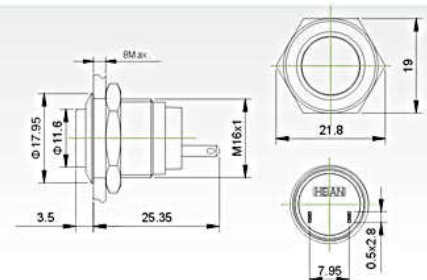
- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



YXGQ16H-10Z/J



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



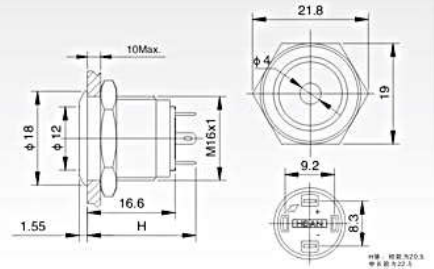
Specifications	YXGQ16B-10Z/J	YXGQ16F-10Z/J	YXGQ16H-10Z/J
The Front Shape	Domed	Flat Round	High Round
Terminal Type	Pin Terminal(2 x 0.5mm)	Pin Terminal(2 x 0.5mm)	Pin Terminal(2 x 0.5mm)
Switch Type	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)	X (Two terminal breakpoints slow moving contact)
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 6mm	1 ~ 6mm	1 ~ 6mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	about 4N	about 4N	about 4N
Operating Stroke	about 1.5mm	about 1.5mm	about 1.5mm
Protection Degree	IP65,IK08	IP65,IK08	IP65,IK08
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ16F-10D/J/Δ/▲/○

Dot-illumination flat switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Dot
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

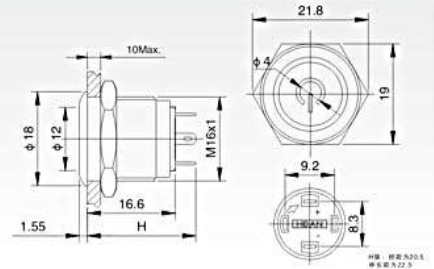


YXGQ16F-10T/J/Δ/▲/○

Ring-illumination Switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Ring-illumination Switch
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



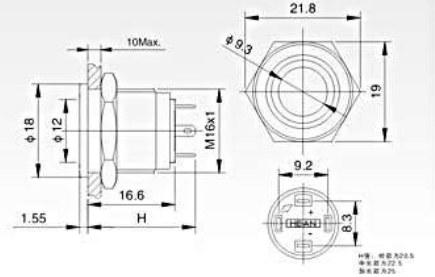
Specifications	YXGQ16F-10D/J/Δ/▲/○	YXGQ16F-10T/J/Δ/▲/○					
The Front Shape	Flat Round	Flat Round					
Terminal Type	Pin Terminal(2 × 0.5mm)	Pin Terminal(2 × 0.5mm)					
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact					
Switch Specifications	2A/36VDC	2A/36VDC					
Contact Resistance	≤ 50 mΩ	≤ 50 mΩ					
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ					
Dielectric Strength	2000 VAC	2000 VAC					
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃					
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times					
Electrical Life	20 >200,000 times	20 >200,000 times					
Panel Thickness	1 ~ 10mm	1 ~ 10mm					
Torque	5 ~ 14Nm	5 ~ 14Nm					
Operating Pressure	About 4N	About 4N					
Operating Stroke	About 1.5mm	About 1.5mm					
Protection Degree	IP65,IK08	IP65,IK08					
Material	Contact	Silver Alloy					
	Button	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass					
	Case	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass					
	Base	PBT					
Lamp Parameters	RoHS	Can be made to order					
	Type	Dot illumination (LED)					
	Rated Voltage	2V/6V/12V/24V/36V					
	Color	R G Y O B W					
	Life	50000 Hours					
Current Limiting Resistor Configuration Table (Recommended Value)	I	Rated Voltage U	6V	12V	24V	36V	Formula $R = \frac{U-U_e}{I_e}$
	Current Limiting Resistor	R Y O G B W	210Ω, 1/4W	510Ω, 1/2W	1.2kΩ, 3/4W	2.2KΩ, 1W	
			G B W	160Ω, 1/4W	460Ω, 1/2W	1.2KΩ, 3/4W	2.2KΩ, 1W

YXGQ16PF-10E/J/Δ/▲/○

Ring-illumination flat switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Ring
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

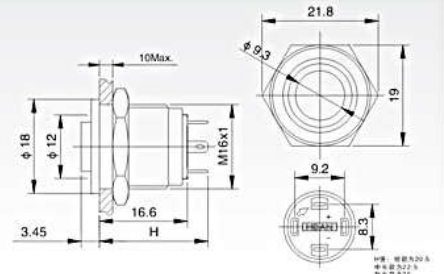


YXGQ16PH-10E/J/Δ/▲/○

Ring-illumination high switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Ring
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



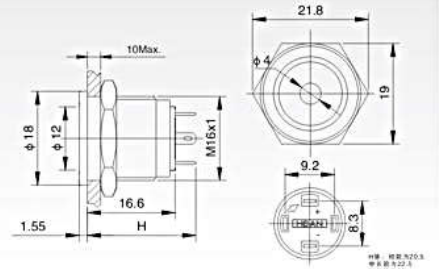
Specifications		YXGQ16PF-10E/J/Δ/▲/○	YXGQ16PH-10E/J/Δ/▲/○					
The Front Shape		Flat Round	High Round					
Terminal Type		Pin Terminal(2 × 0.5mm)	Pin Terminal(2 × 0.5mm)					
Switch Type		X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact					
Switch Specifications		2A/36VDC	2A/36VDC					
Contact Resistance		≤ 50mΩ	≤ 50mΩ					
Insulation Resistance		≥ 1000MΩ	≥ 1000MΩ					
Dielectric Strength		2000 VAC	2000 VAC					
Operating Temperature		-20℃ ~ +55℃	-20℃ ~ +55℃					
Mechanical Life		100 >1,000,000 times	100 >1,000,000 times					
Electrical Life		20 >200,000 times	20 >200,000 times					
Panel Thickness		1 ~ 10mm	1 ~ 10mm					
Torque		5 ~ 14Nm	5 ~ 14Nm					
Operating Pressure		About 4N	About 4N					
Operating Stroke		About 1.5mm	About 1.5mm					
Protection Degree		IP65,IK08	IP65,IK08					
Material	Contact	Silver Alloy	Silver Alloy					
	Button	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass					
	Case	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass					
	Base	PBT	PBT					
RoHS		Can be made to order	Can be made to order					
Lamp Parameters	Type	Ring-illumination(LED)	Ring-illumination(LED)					
	Rated Voltage	2V/6V/12V/24V/36V	2V/6V/12V/24V/36V					
	Color	R G Y O B W	R G Y O B W					
	Life	50000 Hours	50000 Hours					
Current Limiting Resistor Configuration Table (Recommended Value)	I	Rated Voltage U	6V	12V	24V	36V	Formula $R = \frac{U-U_e}{I_e}$	
		Current Limiting Resistor	R Y O	210Ω, 1/4W	510Ω, 1/2W	1.2kΩ, 3/4W		2.2KΩ, 1W
		G B W	160Ω, 1/4W	460Ω, 1/2W	1.2KΩ, 3/4W	2.2KΩ, 1W		

YXGQ16PF-10D/J/Δ/▲/○

Dot-illumination flat switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Dot
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

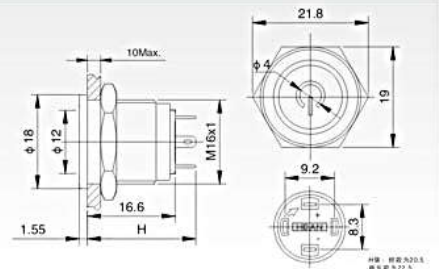


YXGQ16PF-10T/J/Δ/▲/○

Ring-illumination Switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Ring-illumination Switch
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08



Specifications		YXGQ16PF-10D/J/Δ/▲/○	YXGQ16PF-10T/J/Δ/▲/○				
The Front Shape		Flat Round	Flat Round				
Terminal Type		Pin Terminal(2 × 0.5mm)	Pin Terminal(2 × 0.5mm)				
Switch Type		X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact				
Switch Specifications		2A/36VDC	2A/36VDC				
Contact Resistance		≤ 50mΩ	≤ 50mΩ				
Insulation Resistance		≥ 1000MΩ	≥ 1000MΩ				
Dielectric Strength		2000 VAC	2000 VAC				
Operating Temperature		-20℃ ~ +55℃	-20℃ ~ +55℃				
Mechanical Life		100 >1,000,000 times	100 >1,000,000 times				
Electrical Life		20 >200,000 times	20 >200,000 times				
Panel Thickness		1 ~ 10mm	1 ~ 10mm				
Torque		5 ~ 14Nm	5 ~ 14Nm				
Operating Pressure		About 4N	About 4N				
Operating Stroke		About 1.5mm	About 1.5mm				
Protection Degree		IP65,IK08	IP65,IK08				
Material	Contact	Silver Alloy	Silver Alloy				
	Button	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass				
	Case	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass				
	Base	PBT	PBT				
RoHS		Can be made to order	Can be made to order				
Lamp Parameters	Type	Dot illumination (LED)	Ring-illumination Switch				
	Rated Voltage	2V/6V/12V/24V/36V	2V/6V/12V/24V/36V				
	Color	R G Y O B W	R G Y O B W				
	Life	50000 Hours	50000 Hours				
Current Limiting Resistor Configuration Table (Recommended Value)	I	Rated Voltage U	6V	12V	24V	36V	Formula $R = \frac{U-U_e}{I_e}$
	Current Limiting Resistor	R Y O	210Ω, 1/4W	510Ω, 1/2W	1.2kΩ, 3/4W	2.2KΩ, 1W	
		G B W	160Ω, 1/4W	460Ω, 1/2W	1.2KΩ, 3/4W	2.2KΩ, 1W	

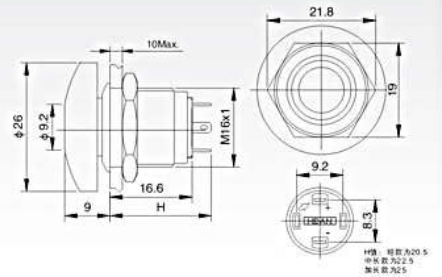
◎ YXGQ16M-10D/J/△/▲/T/★

Dot-illumination Mushroom push button switch



NEW

- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Dot
- The Crust Material: Zn-al Alloy
- Protection Degree: IP65,IK08



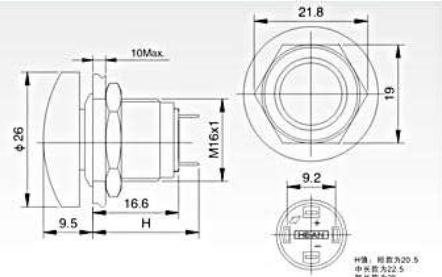
◎ YXGQ16M-10/J/T/★

Mushroom switch



NEW

- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Mushroom
- The Crust Material: Zn-al Alloy
- Protection Degree: IP65,IK08



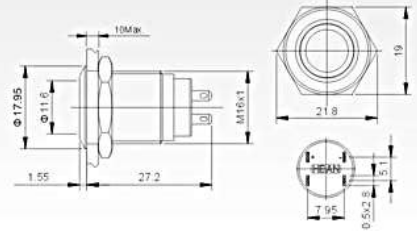
Specifications	YXGQ16M-10D/J/△/▲/T/★	YXGQ16M-10/J/T/★					
The Front Shape	Mushroom Dot	Mushroom Dot					
Terminal Type	Pin Terminal(2 × 0.5mm)	Pin Terminal(2 × 0.5mm)					
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact					
Switch Specifications	2A/36VDC	2A/36VDC					
Contact Resistance	≤ 50mΩ	≤ 50mΩ					
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ					
Dielectric Strength	2000 VAC	2000 VAC					
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃					
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times					
Electrical Life	20 >200,000 times	20 >200,000 times					
Panel Thickness	1 ~ 10mm	1 ~ 10mm					
Torque	5 ~ 14Nm	5 ~ 14Nm					
Operating Pressure	About 4N	About 4N					
Operating Stroke	About 1.5mm	About 1.5mm					
Protection Degree	IP65,IK08	IP65,IK08					
Material	Contact	Silver Alloy					
	Button	Zn-al Alloy (Colorful head)					
	Case	Zn-al Alloy (Silver white)					
	Base	PBT					
RoHS	Can be made to order	Can be made to order					
Lamp Parameters	Type	Dot illumination (LED)					
	Rated Voltage	2V/6V/12V/24V/36V					
	Color	R G Y O B W					
	Life	Hours					
Current Limiting Resistor Configuration Table (Recommended Value)	I	Rated Voltage U	6V	12V	24V	36V	Formula $R = \frac{U-U_e}{I_e}$
	Current Limiting Resistor	R Y O G B W	210Ω, 1/4W	510Ω, 1/2W	1.2kΩ, 3/4W	2.2KΩ, 1W	
			160Ω, 1/4W	460Ω, 1/2W	1.2KΩ, 3/4W	2.2KΩ, 1W	

YXGQ16F-10EZ/J/Δ/▲/○

Ring-illumination flat switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Ring
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

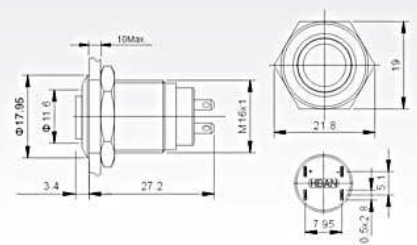


YXGQ16H-10EZ/J/Δ/▲/○

Ring-illumination high switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Ring
- The Crust Material: Stainless Steel/Nickel-plated Brass
- Protection Degree: IP65,IK08

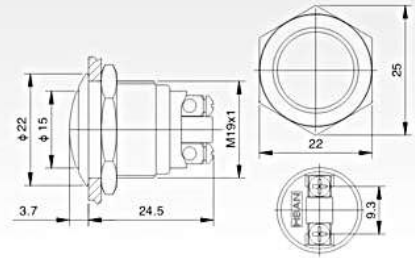


Specifications	YXGQ16F-10EZ/J/Δ/▲/○	YXGQ16H-10EZ/J/Δ/▲/○						
The Front Shape	Flat Round	High Round						
Terminal Type	Pin Terminal(2 × 0.5mm)	Pin Terminal(2 × 0.5mm)						
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact						
Switch Specifications	2A/36VDC	2A/36VDC						
Contact Resistance	≤ 50mΩ	≤ 50mΩ						
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ						
Dielectric Strength	2000 VAC	2000 VAC						
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃						
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times						
Electrical Life	20 >200,000 times	20 >200,000 times						
Panel Thickness	1 ~ 10mm	1 ~ 10mm						
Torque	5 ~ 14Nm	5 ~ 14Nm						
Operating Pressure	About 4N	About 4N						
Operating Stroke	About 1.5mm	About 1.5mm						
Protection Degree	IP65, IK08	IP65, IK08						
Material	Contact	Silver Alloy						
	Button	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass						
	Case	CD Stainless Steel: Mirror Surface. CDPattern, Nickel-plated Brass						
	Base	PBT						
RoHS	Can be made to order	Can be made to order						
Lamp Parameters	Type	Ring-illumination(LED)						
	Rated Voltage	2V/6V/12V/24V/36V						
	Color	R G Y O B W						
	Life	50000 Hours						
Current Limiting Resistor Configuration Table (Recommended Value)	I	Rated Voltage U	6V	12V	24V	36V	Formula $R = \frac{U-U_e}{I_e}$	
	Current Limiting Resistor	R Y O G B W	210Ω, 1/4W	510Ω, 1/2W	1.2kΩ, 3/4W	2.2kΩ, 1W		
			G B W	160Ω, 1/4W	460Ω, 1/2W	1.2kΩ, 3/4W	2.2kΩ, 1W	

YXGQ19B-10/



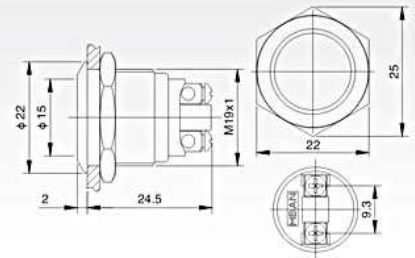
- Mounting Hole Size: ϕ 19mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09



YXGQ19F-10/



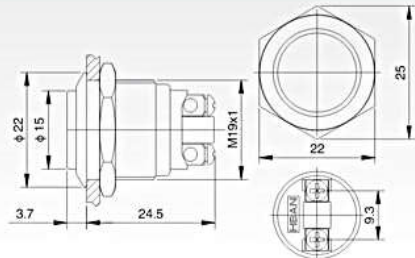
- Mounting Hole Size: ϕ 19mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09



YXGQ19H-10/



- Mounting Hole Size: ϕ 19mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

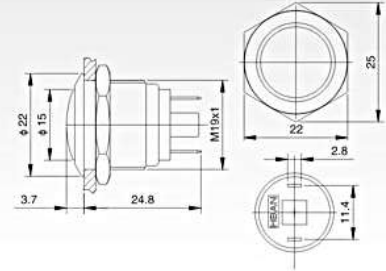


Specifications	YXGQ19B-10/	YXGQ19F-10/	YXGQ19H-10/
The Front Shape	Domed	Domed	Domed
Terminal Type	Screw Terminal	Screw Terminal	Screw Terminal
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50m\Omega$	$\leq 50m\Omega$	$\leq 50m\Omega$
Insulation Resistance	$\geq 1000M\Omega$	$\geq 1000M\Omega$	$\geq 1000M\Omega$
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	$-20^{\circ}C \sim +55^{\circ}C$	$-20^{\circ}C \sim +55^{\circ}C$	$-20^{\circ}C \sim +55^{\circ}C$
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About 4N	About 4N	About 4N
Operating Stroke	About 1.8mm	About 1.8mm	About 1.8mm
Protection Degree	IP65,IK09	IP65,IK09	IP65,IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ19B-10/J



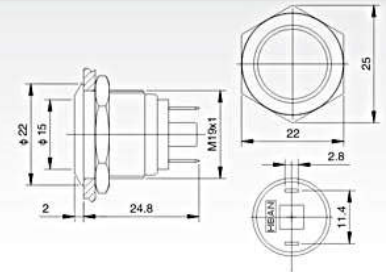
- Mounting Hole Size: $\phi 19\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09



YXGQ19F-10/J



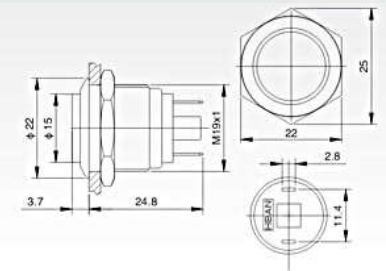
- Mounting Hole Size: $\phi 19\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: Flat round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09



YXGQ19H-10/J



- Mounting Hole Size: $\phi 19\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO(1NC can be custom made)
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

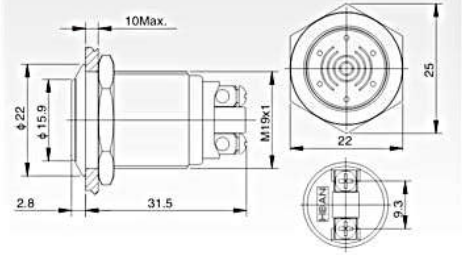


Specifications	YXGQ19B-10/J	YXGQ19F-10/J	YXGQ19H-10/J
The Front Shape	Domed	Domed	Domed
Terminal Type	Pin Terminal(2.8 × 0.5mm)	Pin Terminal(2.8 × 0.5mm)	Pin Terminal(2.8 × 0.5mm)
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	≤ 50mΩ	≤ 50mΩ	≤ 50mΩ
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ	≥ 1000MΩ
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About 4N	About 4N	About 4N
Operating Stroke	About 1.8mm	About 1.8mm	About 1.8mm
Protection Degree	IP65,IK09	IP65,IK09	IP65,IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ19-EM/Δ/▲/



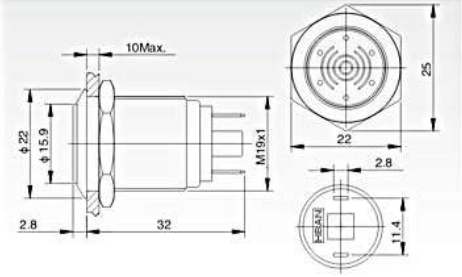
- Mounting Hole Size: Φ 19mm
- Rated Voltage:DC12V/DC24VAC
- Pronunciation Type: Buzzer/Buzzer with illumination:
- Sound Intensity: \approx 85dB(1m)
- Crust Material:Stainless Steel
- Protection Degree:IP50,IK04



YXGQ19-EM/J/Δ/▲/



- Mounting Hole Size: Φ 19mm
- Rated Voltage:DC12V/DC24VAC
- Pronunciation Type: Buzzer/Buzzer with illumination:
- Sound Intensity: \approx 85dB(1m)
- Crust Material:Stainless Steel
- Protection Degree:IP50,IK04



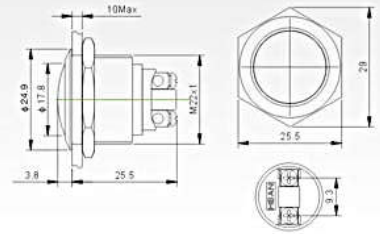
Specifications	YXGQ19-EM/Δ/▲/	YXGQ19-EM/J/Δ/▲/	
The Front Shape	Flat Round with holes	Flat Round with holes	
Terminal Type	Screw Terminal	Pin Terminal(2.8 × 0.5mm)	
Switch Type	---	---	
Switch Specifications	---	---	
Contact Resistance	---	---	
Insulation Resistance	---	---	
Dielectric Strength	2000VAC	2000VAC	
Operating Temperature	-20°C ~ +55 °C	-20°C ~ +55 °C	
Mechanical Life	---	---	
Electrical Life	---	---	
Panel Thickness	1 ~ 10mm	1 ~ 10mm	
Torque	5 ~ 14Nm	5 ~ 14Nm	
Operating Pressure	---	---	
Operating Stroke	---	---	
Protection Degree	IP50,IK04	IP50,IK04	
Material	Contact	---	
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	
Type	Buzzing/Buzzer with illumination	Buzzing/Buzzer with illumination	
Rated Voltage	DC12V/DC24V	DC12V/DC24V	
Lamp Color	R G Y O B W	R G Y O B W	
Sound Intensity	\geq 85dB (1 m)	\geq 85dB (1 m)	

YXGQ22B-10/

Domed button



- Mounting Hole Size: ϕ 22mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

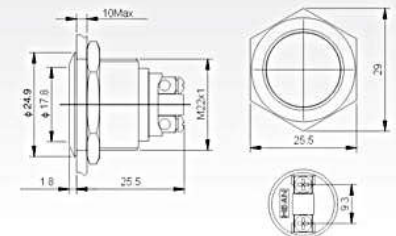


YXGQ22F-10/

Flat round button



- Mounting Hole Size: ϕ 22mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Flat round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

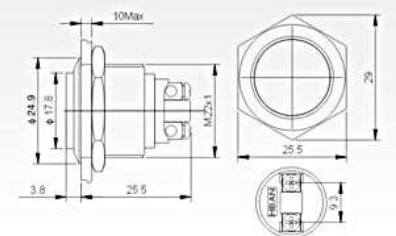


YXGQ22H-10/

High round switch



- Mounting Hole Size: ϕ 22mm
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09



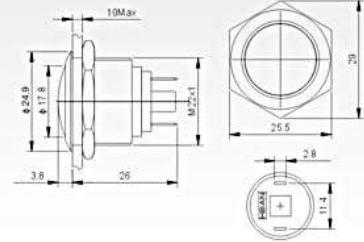
Specifications	YXGQ22B-10/	YXGQ22F-10/	YXGQ22H-10/
The Front Shape	Domed	Domed	Domed
Terminal Type	Screw Terminal	Screw Terminal	Screw Terminal
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50m\Omega$	$\leq 50m\Omega$	$\leq 50m\Omega$
Insulation Resistance	$\geq 1000M\Omega$	$\geq 1000M\Omega$	$\geq 1000M\Omega$
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About 4N	About 4N	About 4N
Operating Stroke	About 1.8mm	About 1.8mm	About 1.8mm
Protection Degree	IP65,IK09	IP65,IK09	IP65,IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order

YXGQ22B-10/J

Domed button



- Mounting Hole Size: $\phi 22\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Domed
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

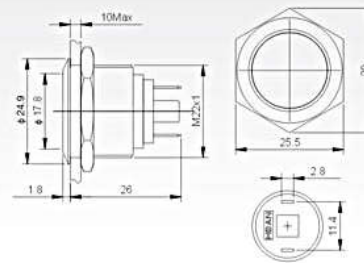


YXGQ22F-10/J

Flat round button



- Mounting Hole Size: $\phi 22\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: Flat round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

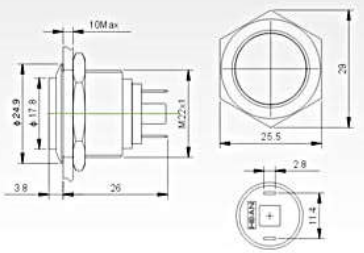


YXGQ22H-10/J

High round switch



- Mounting Hole Size: $\phi 22\text{mm}$
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The Front Shape: High Round
- The Crust Material: Stainless Steel, Nickel-plated Brass or Gold-plated Brass
- Protection Degree: IP65,IK09

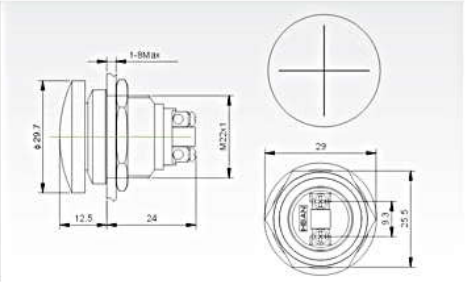


Specifications	YXGQ22B-10/J	YXGQ22F-10/J	YXGQ22H-10/J
The Front Shape	Domed	Domed	Domed
Terminal Type	Pin Terminal(2.8 x 0.5mm)	Pin Terminal(2.8 x 0.5mm)	Pin Terminal(2.8 x 0.5mm)
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$
Dielectric Strength	2000VAC	2000VAC	2000VAC
Operating Temperature	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About 4N	About 4N	About 4N
Operating Stroke	About 1.8mm	About 1.8mm	About 1.8mm
Protection Degree	IP65,IK09	IP65,IK09	IP65,IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT
RoHS	Can be made to order	Can be made to order	Can be made to order

☉ YXGQ22M-10/△/▲/★



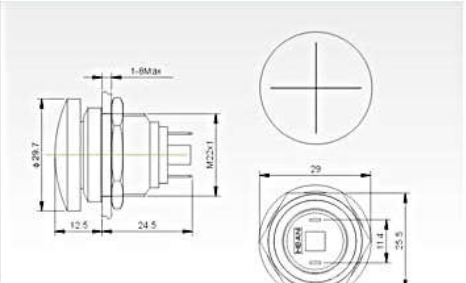
- ☉ Mounting Hole Size: ϕ 16mm
- ☉ Switch Rating: 2A/36VDC
- ☉ Contact Configuration: 1NO
- ☉ Operation Type: Momentary
- ☉ The Front Shape: Mushroom
- ☉ The Crust Material: Zn-al Alloy
- ☉ Protection Degree: IP65,IK08



☉ YXGQ22M-10/J/★



- ☉ Mounting Hole Size: ϕ 16mm
- ☉ Switch Rating: 2A/36VDC
- ☉ Contact Configuration: 1NO
- ☉ Operation Type: Momentary
- ☉ The Front Shape: Mushroom
- ☉ The Crust Material: Zn-al Alloy
- ☉ Protection Degree: IP65,IK08



Specifications	YXGQ22M-10/△/▲/★	YXGQ22M-10/J/★
The Front Shape	Mushroom	Mushroom
Terminal Type	Screw Terminal	Pin Terminal(2 × 0.5mm)
Switch Type	X Two terminal breakpoints slow moving contact	X Two terminal breakpoints slow moving contact
Switch Specifications	2A/36VDC	2A/36VDC
Contact Resistance	$\leq 50m\Omega$	$\leq 50m\Omega$
Insulation Resistance	$\geq 1000M\Omega$	$\geq 1000M\Omega$
Dielectric Strength	2000VAC	2000VAC
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	20 >200,000 times	20 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	About4N	About4N
Operating Stroke	About 1.5mm	About 1.5mm
Protection Degree	IP65,IK08	IP65,IK08
Material	Contact	Silver Alloy
	Button	Zn-al Alloy (Colorful head)
	Case	Zn-al Alloy (Silver white)
	Base	PBT
RoHS	Can be made to order	Can be made to order

Model Explanation

YXS2	GQ	★	-	□	◇	■	/	△	/	▲	/	◎	/	★
Series Number	Modified Code	The Front Shape F Flat Round H High Round C Concave Round G High-concave Round	Contact Configuration 111NO1NC 222NO2NC	Lamp Type D Dot E Ring	Operation Type Z Latching Push Button No letter means momentary push button	Color of lamp or colorful push button R Red G Green Y Yellow O Orange B Blue W White	Lamp Voltage AC/DC6V AC/DC12V AC/DC24V AC/DC110V AC/DC220V Other voltage can be made to order	S: Stainless Steel N: Nickel-plated Brass A: Zn-al Alloy	Color of Colorful push button's head or Case R Red G Green Y Yellow O Orange B Blue White N Black					

Note: Please carefully read the product specification, then select the appropriate code according to different symbols in the table.

LED Lamp Specifications

Lamp Type	Bi-directional LED lamp (Universal Current)			Lamp Equivalent Circuit	
Color	R G Y O B W				
Lifetime	50000 Hours (reference value)				
Rated Voltage	AC/DC6V	AC/DC12V	AC/DC110V		
	AC/DC24V	AC/DC36V	AC/DC220V		
Rated Current	about 15mA		about 3mA		
Step-down method	Built-in Resistor				

Adopting Universal Current LED lamp, terminal has no differentiate between positive and negative; LED has built-in protection resistors, no need external connection.

Note: For unidirectional DC LED lamp can be custom made; other voltage specifications can be special made.

Switch Structure Explanation

Type	C
Diagram	
Symbol	
Explanation	Single breakpoint snap-action contacts switch with three terminals.

Pin Description

Can be configured up to two sets of switches.
 C1, NO1, NC1 C2, NO2, NC2
 C1, NO1, NC1 and C2, NO2, NC2, are a set of switches respectively;

Pin C is utility pin and pin NO is normally open pin, pin NC is normally closed;

+, - pins are LED lamp pins, normal lamp configuration has no difference between positive and negative ;

LED and switch pin are separated, but switch and external circuit can control the LED state by connecting the LED pin.

Installation Effect Preview

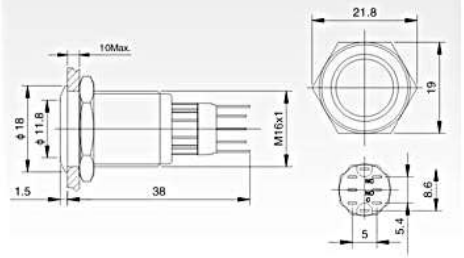


YXS2GQF-□■/○

Flat switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel, Nickel-plated Brass
- Protection Degree: IP40, IP67, IK09

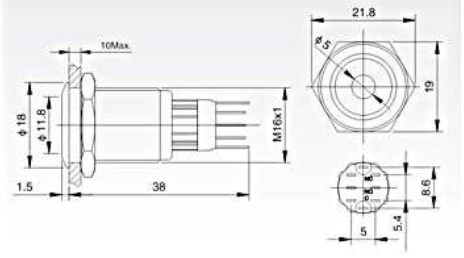


YXS2GQF-□D■/▲/○

Dot-illumination



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel, Nickel-plated Brass
- Illuminated Type: Dot
- Protection Degree: IP40, IP67, IK09

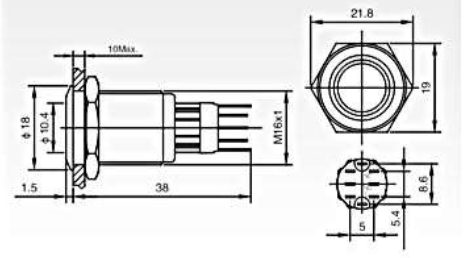


YXS2GQF-□E■/▲/○

Ring-illumination



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Crust Material: Stainless Steel, Nickel-plated Brass
- Illuminated Type: Ring
- Protection Degree: IP40, IP67, IK09

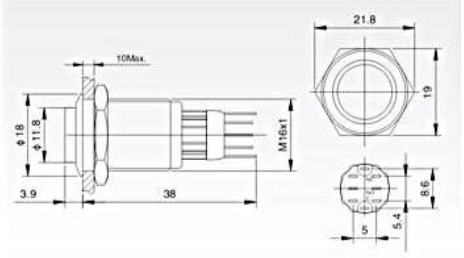


YXS2GQH-□■/○

High round switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: High Round
- The Crust Material: Stainless Steel, Nickel-plated Brass
- Protection Degree: IP40, IP67, IK09

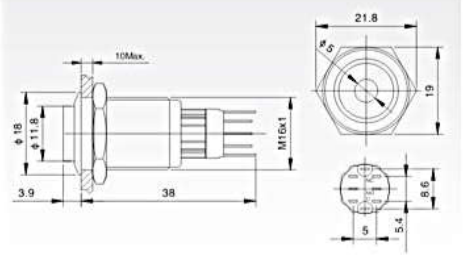


YXS2GQH-□D■/▲/○

High round switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: High Round
- The Crust Material: Stainless Steel, Nickel-plated Brass
- Illuminated Type: Dot
- Protection Degree: IP40, IP67, IK09

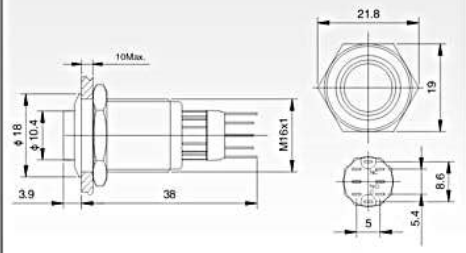


YXS2GQH-□E■/▲/▲/○

Ring-illumination high round switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: High Round
- The Cust Material: Stainless Steel, Nickel-plated Brass
- Illuminated Type: Ring
- Protection Degree: IP40, IP67, IK09

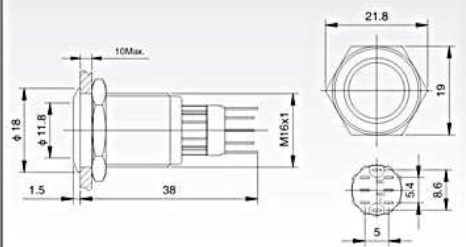


YXS2GQF-□E■/▲/▲/○

Ring-illumination



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Cust Material: Stainless Steel, Nickel-plated Brass
- Illuminated Type: Ring
- Protection Degree: IP40, IP67, IK09

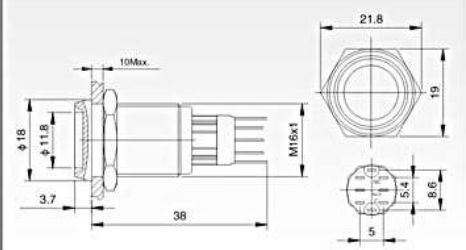


YXS2GQC-□■/○

Concave switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Concave Round
- The Cust Material: Stainless Steel, Nickel-plated Brass
- Protection Degree: IP40, IP67, IK09

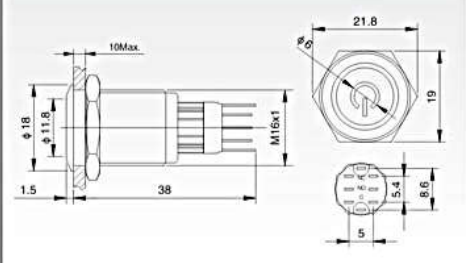


YXS2GQF-□■/○/T

Flat switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round (Power symbol)
- The Cust Material: Stainless Steel, Nickel-plated Brass
- Protection Degree: IP40, IP67, IK09

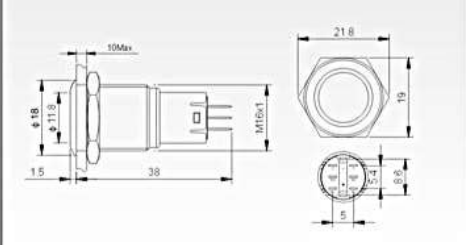


YXS2GQF-□■/○

Flat switch



- Mounting Hole Size: $\phi 16\text{mm}$
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Cust Material: Stainless Steel, Nickel-plated Brass
- Protection Degree: IP40, IP67, IK09

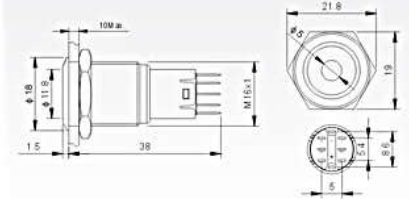


YXS2GQF-□D■/▲/▲/◎

Dot-illumination



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Cust Material: Stainless Steel,Nickel-plated Brass
- Illuminated Type: Dot
- Protection Degree: IP40,IP67,IK09

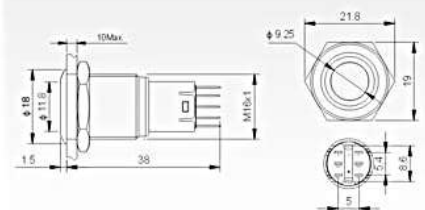


YXS2GQF-□E■/▲/▲/◎

Ring-illumination



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Cust Material: Stainless Steel,Nickel-plated Brass
- Illuminated Type: Ring
- Protection Degree: IP40,IP67,IK09

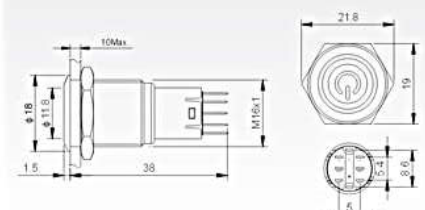


YXS2GQF-□ET■/▲/▲/◎

Ring-illumination Switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Cust Material: Stainless Steel,Nickel-plated Brass
- Illuminated Type: Ring-illumination Switch
- Protection Degree: IP40,IP67,IK09

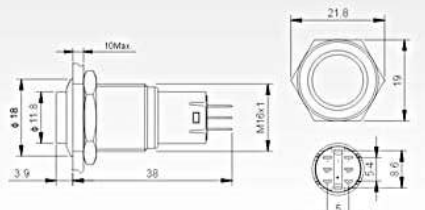


YXS2GQF-□■/◎

Flat switch



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: High Round
- The Cust Material: Stainless Steel,Nickel-plated Brass
- Protection Degree: IP40,IP67,IK09

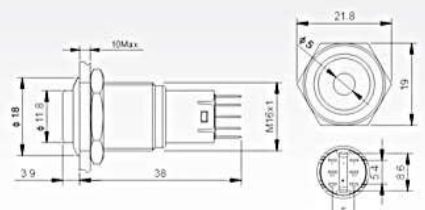


YXS2GQF-□D■/▲/▲/◎

Dot-illumination



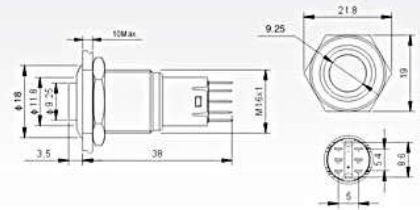
- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: High Round
- The Cust Material: Stainless Steel,Nickel-plated Brass
- Illuminated Type: Dot
- Protection Degree: IP40,IP67,IK09



YXS2GQF-□E■/△/▲/◎



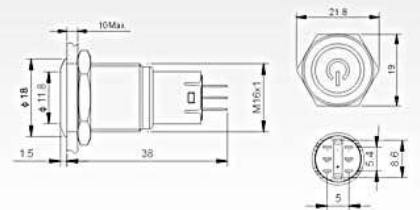
- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: High Round
- The Cust Material: Stainless Steel/Nickel-plated Brass
- Illuminated Type: Ring
- Protection Degree: IP40,IP67,IK09



YXS2GQF-□ET■/△/▲/◎



- Mounting Hole Size: ϕ 16mm
- Switch Rating: 3A/250VDC
- Contact Configuration: 1NO1NC/2NO2NC
- Operation Type: Momentary, Latching
- The Front Shape: Flat Round
- The Cust Material: Stainless Steel/Nickel-plated Brass
- Illuminated Type: Ring-illumination Switch
- Protection Degree: IP40/IP67,IK09



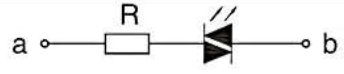
Specifications	YXS2GQF-□■/◎ YXS2GQH-□■/◎ YXS2GQC-□■/◎ YXS2GQG-□■/◎	YXS2GQF-□D■/△/▲/◎ YXS2GQH-□D■/△/▲/◎ YXS2GQF-□■/◎/T	YXS2GQF-□E■/△/▲/◎ YXS2GQH-□E■/△/▲/◎ YXS2GQF-□ET■/△/▲/◎	
The Front Shape	Flat Round High Round Concave Round High-concave Round	Flat Round High Round Flat Round (Power symbol)	Flat Round High Round Ring-illumination Switch	
Terminal Type	Pin Terminal(2.8 × 0.4mm)	Pin Terminal(2.8 × 0.4mm)	Pin Terminal(2.8 × 0.4mm)	
Switch Type	C Single breakpoint snap-action changeover contacts	C Single breakpoint snap-action changeover contacts	C Single breakpoint snap-action changeover contacts	
Switch Specifications	Ith:3A Ui:250VAC	Ith:3A Ui:250VAC	Ith:3A Ui:250VAC	
Contact Resistance	≤ 50mΩ	≤ 50mΩ	≤ 50mΩ	
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ	≥ 1000MΩ	
Dielectric Strength	2000VAC	2000VAC	2000VAC	
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃	-20℃ ~ +55℃	
Mechanical Life	20 >200,000 times	20 >200,000 times	20 >200,000 times	
Electrical Life	5 >50,000 times	5 >50,000 times	5 >50,000 times	
Panel Thickness	1 ~ 10mm	1 ~ 10mm	1 ~ 10mm	
Torque	5 ~ 14Nm	5 ~ 14Nm	5 ~ 14Nm	
Operating Pressure	2.5~4N	2.5~4N	2.5~4N	
Operating Stroke	2.8mm	2.8mm	2.8mm	
Protection Degree	IP40/IP67,IK09	IP40/IP67,IK09	IP40/IP67,IK09	
Material	Contact	Silver Alloy	Silver Alloy	
	Button	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern	CD tainless Steel; Mirror Surface, CD Pattern
	Case	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass	CD tainless Steel; Mirror Surface, CD Pattern Nickel-plated Brass
	Base	PBT	PBT	PBT
Lamp Parameters	RoHS	Can be made to order	Can be made to order	Can be made to order
	Type	Non-illuminated	Dot illumination	Ring illumination
	Rated Voltage	---	2V/6V/12V/24V/110V/220V	2V/6V/12V/24V/110V/220V
	Color	---	R G Y O B W	R G Y O B W
	Life	---	50000 hours	50000 hours

Model Explanation

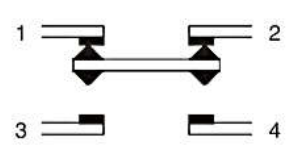

YXS1	GQ	- □	◇	■	/	◆	/	△	/	▲	◎	★
Series Number	Modified Code	Contact Configuration 11 1NO1NC	Lamp Type D Dot E Ring	Operation Type Z Latching Push Button No letter means momentary push button	Terminal Type L Screw Terminal No letter means pin terminal	Color of lamp R Red G Green Y Yellow O Orange B Blue W White	Lamp Voltage AC/DC6V AC/DC12V AC/DC24V AC/DC110V AC/DC220V Other voltage can be made to order	Crust Material S Stainless Steel A Zn-Al Alloy	Color of Colorful push button's head or Case R Red G Green Y Yellow O Orange B Blue N Black			

Note: Please carefully read the product specification, then select the appropriate code according to different symbols in the table.

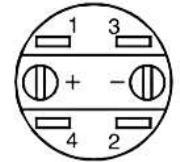
LED Lamp Specifications

Lamp Type	Bi-directional LED lamp (Universal Current)			Lamp Equivalent Circuit	 <p>Adopting Universal Current LED lamp, terminal has no differentiate between positive and negative; LED has built-in protection resistors, no need external connection.</p>
Rated Voltage	AC/DC6V	AC/DC12V	AC/DC110V		
	AC/DC24V	AC/DC36V	AC/DC220V		
Rated Current	about 15mA		about 3mA		
Color	R G Y O B W				
Lifetime	50000	Hours (reference value)			

Switch Structure Explanation

Type	Za
Diagram	
Symbol	
Explanation	Double break snap-action changeover contacts switch with four terminals.

Pin Description

	
1, 2:	NC: pin1, pin2 is normally closed contact NC.
3, 4:	NO: pin3, pin4 is normally open contact NO.
+, - pins are LED lamp pins, normal lamp configuration has no differentiate between positive and negative ;	
LED and switch pin are separated, but switch and external circuit can control the LED state by connecting the LED pin.	

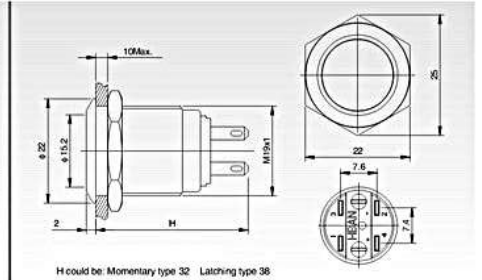
Installation Effect Preview



YXS1GQ-11 ■/○



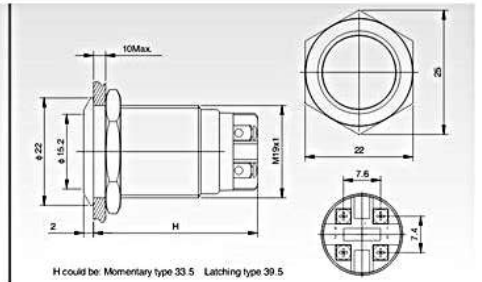
- Mounting Hole Size: Φ 19mm
- Switch Rating: 5A/250VAC
- Contact Configuration: 1NO1NC
- Operation Type: Momentary/Latching
- Crust Material: Stainless Steel
- Protection Degree: IP65, IK09



YXS1GQ-11 ■/L/○



- Mounting Hole Size: Φ 19mm
- Switch Rating: 5A/250VAC
- Contact Configuration: 1NO1NC
- Operation Type: Momentary/Latching
- Crust Material: Stainless Steel
- Protection Degree: IP65, IK09

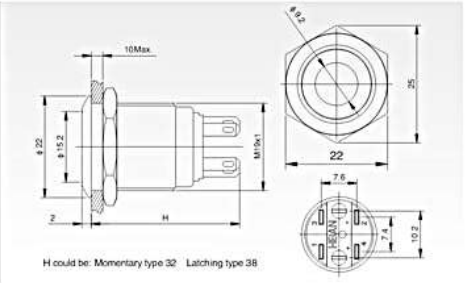


Specifications	YXS1GQ-11 ■/○	YXS1GQ-11 ■/L/○
The Front Shape	Flat Round	Flat Round
Terminal Type	Pin Terminal(2.8 × 0.5mm)	Screw Terminal
Switch Type	Za	Za
Switch Specifications	Ith:5A Ui:250VAC	Ith:5A Ui:250VAC
Contact Resistance	≤ 50mΩ	≤ 50mΩ
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ
Dielectric Strength	2000VAC	2000VAC
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	5 >200,000 times	5 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	about 4N	about 4N
Operating Stroke	about 2.5mm	about 2.5mm
Protection Degree	IP65 ,IK09	IP65 ,IK09
Material	Contact	Silver Alloy
	Button	Stainless Steel
	Case	Stainless Steel
	Base	PC
RoHS	Can be made to order	Can be made to order

YXS1GQ-11D ■/△/▲/◎



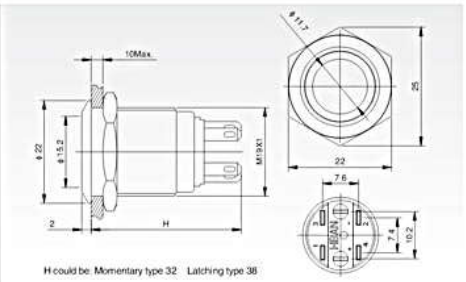
- Mounting Hole Size: Φ 19mm
- Switch Rating: 5A/250VAC
- Contact Configuration: 1NO1NC
- Operation Type: Momentary
- Crust Material: Stainless Steel
- Illuminated Type: Dot
- Protection Degree: IP65, IK09



YXS1GQ-11E ■/△/▲/◎



- Mounting Hole Size: Φ 19mm
- Switch Rating: 5A/250VAC
- Contact Configuration: 1NO1NC
- Operation Type: Momentary
- Crust Material: Stainless Steel
- Illuminated Type: Ring
- Protection Degree: IP65, IK09

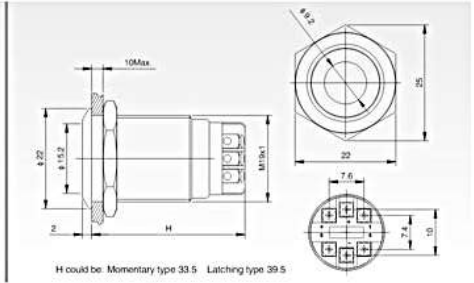


Specifications	YXS1GQ-11D ■/△/▲/◎	YXS1GQ-11E ■/△/▲/◎
The Front Shape	Flat Round	Flat Round
Terminal Type	Pin Terminal(2.8 × 0.5mm)	Pin Terminal(2.8 × 0.5mm)
Switch Type	Za	Za
Switch Specifications	Ith:5A Ui:250VAC	Ith:5A Ui:250VAC
Contact Resistance	≤ 50mΩ	≤ 50mΩ
Insulation Resistance	≥ 1000MΩ	≥ 1000MΩ
Dielectric Strength	2000VAC	2000VAC
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	5 >200,000 times	5 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	about 4N	about 4N
Operating Stroke	about 2.5mm	about 2.5mm
Protection Degree	IP65 ,IK09	IP65 ,IK09
Material	Contact	Silver Alloy
	Button	Stainless Steel
	Case	Stainless Steel
	Base	PC
Lamp Parameters	RoHS	Can be made to order
	Type	Dot illumination (LED)
	Rated Voltage	6V / 12V / 24V / 110V / 220V
	Color	R G Y O B W
	Life	50000 Hours

YXS1GQ-11D ■/L/△/▲/◎



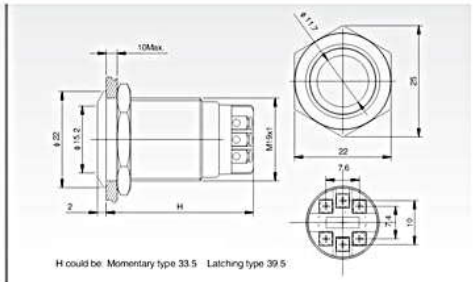
- Mounting Hole Size: Φ 19mm
- Switch Rating: 5A/250VAC
- Contact Configuration: 1NO1NC
- Operation Type: Momentary/Latching
- Crust Material: Stainless Steel
- Illuminated Type: Dot
- Protection Degree: IP65, IK09



YXS1GQ-11E ■/L/△/▲/◎



- Mounting Hole Size: Φ 19mm
- Switch Rating: 5A/250VAC
- Contact Configuration: 1NO1NC
- Operation Type: Momentary/Latching
- Crust Material: Stainless Steel
- Illuminated Type: Ring
- Protection Degree: IP65, IK09



Specifications	YXS1GQ-11D ■/L/△/▲/◎	YXS1GQ-11E ■/L/△/▲/◎
The Front Shape	Flat Round	Flat Round
Terminal Type	Screw Terminal	Screw Terminal
Switch Type	Za	Za
Switch Specifications	Ith:5A Ui:250VAC	Ith:5A Ui:250VAC
Contact Resistance	$\leq 50m\Omega$	$\leq 50m\Omega$
Insulation Resistance	$\geq 1000M\Omega$	$\geq 1000M\Omega$
Dielectric Strength	2000VAC	2000 VAC
Operating Temperature	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life	100 >1,000,000 times	100 >1,000,000 times
Electrical Life	5 >200,000 times	5 >200,000 times
Panel Thickness	1 ~ 10mm	1 ~ 10mm
Torque	5 ~ 14Nm	5 ~ 14Nm
Operating Pressure	about 4N	about 4N
Operating Stroke	about 2.5mm	about 2.5mm
Protection Degree	IP65 ,IK09	IP65 ,IK09
Material	Contact	Silver Alloy
	Button	Stainless Steel
	Case	Stainless Steel
	Base	PC
Lamp Parameters	RoHS	Can be made to order
	Type	Dot illumination (LED)
	Rated Voltage	6V / 12V / 24V / 110V / 220V
	Color	R G Y O B W
	Life	50000 Hours



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