

关键时刻・尽显专业本

我们拥有6~30mm金属信号灯、10~40mm金属按钮开关 种类齐全,品质始终如一



系列产品,



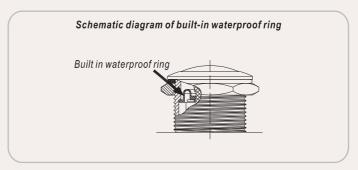
Product introduction

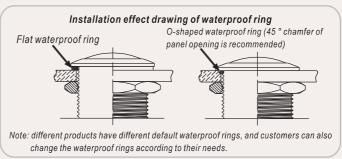
Metal button switch is a high-quality button switch independently developed by our company with dozens of independent intellectual property rights. The products include indicator light, button, self-locking button, button with light, knob, knob with light, key button, emergency stop button, buzzer and other specifications.

After years of painstaking research and continuous innovation efforts of all colleagues in the company, the metal button switch has formed a multi-functional structure. The series of multiple specifications go hand in hand and are gradually recognized by well-known enterprises in various industries at home and abroad (especially large comprehensive enterprises in Europe and America.) The products have also been developed with various large-scale mechanical equipment, medical equipment, automobile operation key surface, bathroom supporting equipment, office equipment, hotel decoration, field digital products, computer equipment and so on come into everyone's sight.

Degree of protection

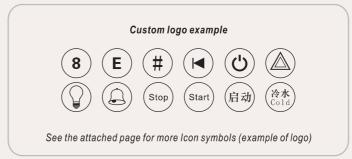
Compared with the plastic button switch, the metal button switch not only has a perfect improvement in the shell protection level (IK level) of the product, but also has made a lot of articles on the IP dust-proof and waterproof level of the product. Most products have met the requirements of IP65, and many products have realized the waterproof function of IP67 (short-time immersion) and above. The product name is also honored to be replaced by "waterproof button switch" by customers.





Custom logo

Metal button switch, laser engraving characters and patterns on the key surface or customizing luminous characters and patterns has become a trend. The customized metal operation key surface not only makes the equipment novel and eye-catching and unique, but also has become a new fashion trend in the electrical industry.



Product change

All specifications and descriptions in this manual are subject to change without notice.



GQ10-K Series model description

GQ10-K-□■◇/△/▲/◎

Symbol	Symbol name	Specify	
	Contact Structure	11: 1NO1NC / No digit means indicator lamp	
-	Operation type	Z: Latching / No letter means momentary	
♦	Illuminated Type	E: O Ring illuminated / No letters mean no lights	
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White	
A	Voltage	6V / 12V / 24V All have built-in resistors, other voltage levels can be customized, and external resistors are required	
0	Housing Material	S: Stainless steel	

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)	
Ореганну тетір	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1000VAC	
Mechanical Life	Momentary≥200,000 cycles, Latching≥100,000 cycles	
Electrical Life	50,000 cycles	
Operation Travel	About 2.5mm	
Torque	About 1.2N	
Solder heat resistance	320℃ 3s	

LED Specifications

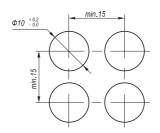
LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA	DC: ± 10%	R The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and neather poles.

Switch Rating

Rated In	Rated Insulation Voltage Ui		250V			
The	Thermal Current 1th		3 <i>A</i>			
1	Rated voltage		12V	24V	110V	220V
	AC		-	-	1A	0.5A
Rated Operation	50/60Hz	Inductive load	-	-	0.7A	0.5A
Current		Resistive load	1A	1A	0.2A	-
	DC Inductive load		0.7A	0.7A	0.1A	-
(Contact material			Silver	Alloy	

Minimum load: 3V AC/DC, 5mA (Reference)
Application scope depends on operating environment and load type.

Mounting Hole Dimension



Shape Specification Dimension

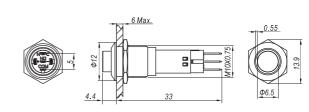


Contact Structure 1NO1No

Operation type Z: Latching / No letter means momentary

Housing Material Stainless steel
Protection class IP40

Tail configuration Wiring patch(1.8x0.4mm)





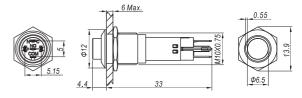
Contact Structure 1NO1NC

 $Operation \ type \ \blacksquare \qquad \textit{Z: Latching / No letter means momentary}$

LED Color \triangle R G Y B Voltage \blacktriangle 6V/12V/24V

Housing Material Stainless steel
Protection class IP40

Tail configuration Wiring patch(1.8x0.4mm)





LAS4GQ Series model description

LAS4GQH-□■◇/△/▲/◎

Symbol	Symbol name	Specify
	Contact Structure	11: 1NO1NC / No digit means indicator lamp
-	Operation type	Z: Latching / No letter means momentary
	Illuminated Type	E: ORing illuminated / No letters mean no lights
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24VAII have built-in resistors, other voltage levels can be customized, and external resistors are required
0	Housing Material	S: Stainless steel

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25°C~+55°C (Non freezing)	
Operating temp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1000VAC	
Mechanical Life	Momentary≥200,000 cycles, Latching≥100,000 cycles	
Electrical Life	50,000 cycles	
Operation Travel	About 2.5mm	
Torque	About 1.4N	
Solder heat resistance	320℃ 3s	

LED Specifications

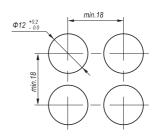
LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA	DC: ±10%	The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

Switch Rating

Rated In	Rated Insulation Voltage Ui		250V			
The	Thermal Current 1th		3 <i>A</i>			
I	Rated voltage		12V	24V	110V	220V
	AC	Resistive load	-	-	1A	0.5A
Rated Operation	50/60Hz Inductive load DC Resistive load Inductive load	Inductive load	-	-	0.7A	0.5A
Current		Resistive load	1A	1A	0.2A	-
		0.7A	0.7A	0.1A	-	
(Contact material			Silver	Alloy	

Minimum load: 3V AC/DC, 5mA (Reference)
Application scope depends on operating environment and load type.

Mounting Hole Dimension



Shape Specification Dimension



Contact Structure

Operation type

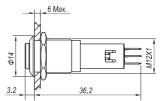
Z: Latching / No letter means momentary

Housing Material Stainless steel

IP40 (IP67 can be customized) Protection class Tail configuration

Wiring patch (1.8x0.4mm)









Contact Structure Operation type

Illuminated Type

 $\textit{LED Color} \ \triangle$ Voltage lacktriangle

Housing Material Protection class Tail configuration

1NO1NC

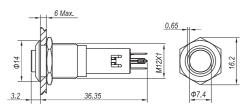
Z: Latching / No letter means momentary

Ring illuminated R G Y B W

6V/12V/24V

Stainless steel IP40 (IP67 can be customized) Wiring patch (1.8x0.4mm)









GQ12 series model description

GQ12★-10◆/△/▲/◎

Symbol	Symbol name	Specify	
*	Head shape	B: spherical / S: square / G: High spherical	
10	Contact Structure	10: 1NO	
•	Wiring type	J: Wiring patch / No letters means terminals	
Δ	Colour	R: Red / G: Green / Y: Yellow / B: Blue / W: White	
A	Voltage	6V/12V/24V All have built-in resistors, other voltage levels can be customized, and external resistors are required	
©	Housing Material	N: Nickel plating on brass / S: Stainless steel / A: Zinc aluminum alloy (Black) / T: Zinc aluminum alloy (White)	

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)	
operating temp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320℃ 3s	
Switch rating	2A/36VDC	
Mechanical Life	1,000,000 cycles	
Electrical Life	200,000 cycles	
Nut torque	About 0.3Nm	
Torque	About 3.5N	
Operation Travel	About 2mm	
Protection class	IP65(IP67 can be customized), IK08	

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

${\bf Switch\ structure\ description}$

Туре	Diagram	Symbol
X		

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA	DC: ±10%	a B b b The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.





Contact Structure Operation type Housing Material ◎

Wiring type

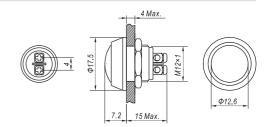
Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-12

1NO

Momentary

Terminals





Contact Structure Operation type Housing Material ◎ Wiring type

Protection class

Applicable accessories

1NO Momentary

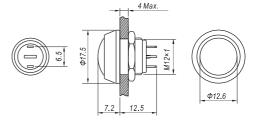
N: Nickel plating on brass / S: Stainless steel

N: Nickel plating on brass / S: Stainless steel

Wiring patch(2x0.5mm)

IP65(IP67 can be customized), IK08

M12-12





Contact Structure Operation type Button cover color \triangle Housing Material ©

Wiring type

Protection class Applicable accessories 1NO Momentary

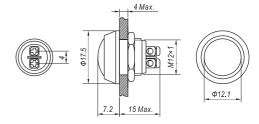
R G Y B W N

Zinc aluminum alloy (Black)

Terminals

IP65(IP67 can be customized), IK08

M12-12





Contact Structure Operation type Button cover color \triangle Housing Material © Wiring type Protection class

Applicable accessories

1NO

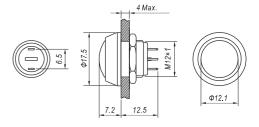
Momentary

R G Y B W N

Zinc aluminum alloy (Black) Wiring patch(2x0.5mm)

IP65(IP67 can be customized), IK08

M12-12





Contact Structure Operation type Button cover color \triangle Housing Material ◎

Wiring type Protection class 1NO

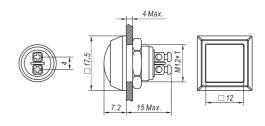
Momentary

R G Y B W N

A:Zinc aluminum alloy (Black) / T:Zinc aluminum alloy (White)

Terminals

IP65(IP67 can be customized), IK08





Contact Structure Operation type Button cover color \triangle Housing Material ©

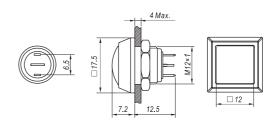
Wiring type Protection class 1NO

Momentary R G Y B W N

A:Zinc aluminum alloy (Black) / T:Zinc aluminum alloy (White)

Wiring patch(2x0.5mm)

IP65(IP67 can be customized), IK08









Contact Structure Operation type Button cover color \triangle Housing Material ◎ Wiring type

Protection class

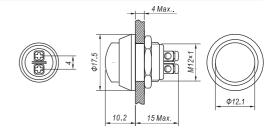
Momentary R G Y B W N

Zinc aluminum alloy (Black)

Terminals

1NO

IP65(IP67 can be customized), IK08





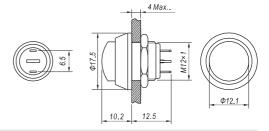
Contact Structure Operation type Button cover color \triangle Housing Material ◎ Wiring type Protection class

1NO Momentary

R G Y B W N

Zinc aluminum alloy (Black) Wiring patch(2x0.5mm)

IP65(IP67 can be customized), IK08





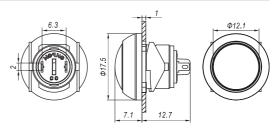
Contact Structure Operation type Button cover color \triangle Housing Material ◎ Wiring type Protection class

1NO Momentary

R G Y B W N

PA

Wiring patch(2x0.5mm) IP65(IP67 can be customized), IK08









GQ12–A series model description

GQ12-A★-□◇/J/ △/ ▲/ ◎

Symbol	Symbol name	Specify
*	Head shape	F: Flat round / H: High round
	Contact Structure	10: 1NO / No digital means indicator
♦	Illuminated Type	D: ① Dot illuminated / E: O Ring illuminated / DT: ① Ring+power symbol illuminated / No letters mean no lights
*	Wiring type	J: Wiring patch
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V / 12V / 24V All have built-in resistors, other voltage levels can be customized, and external resistors are required
0	Housing Material	C: Brass chrome plating / S: Stainless steel / A: Zinc aluminum alloy (Black)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Performance Characteristic		
Operating Temp	-25℃~+55℃ (Non freezing)	
Operating remp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320℃ 3s	
Switch rating	2A/36VDC	
Mechanical Life	500,000 cycles	
Electrical Life	200,000 cycles	
Base material	PA	
Nut torque	About 0.3Nm	
Torque	About 1.5N	
Operation Travel	About 1.5mm	
Protection class	IP65(IP67 can be customized), IK07	

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

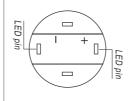
Switch structure description

T.	уре	Diagram	Symbol
	×		

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA	DC: ±10%	a R The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

LED pin description



+, the pin is the lamp bead pin, and the conventional lamp bead configuration has no distinction between positive and negative poles; The lamp bead is relatively independent of the switch, and the lamp bead state can be controlled through the switch or peripheral circuit.





Contact Structure 1NO
Operation type Momentary

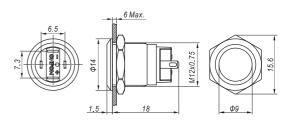
Housing Material © C: Brass chrome plating / S: Stainless steel /

A: Zinc aluminum alloy (Black)

Wiring type Wiring patch(2x0.5mm)

Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12F





 Contact Structure
 1NO

 Operation type
 Momentary

 LED color △
 R G Y B W

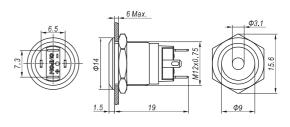
 Voltage ▲
 6V/12V/24V

Housing Material © C: Brass chrome plating / S: Stainless steel

Wiring type Wiring patch(2x0.5mm)

Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12F

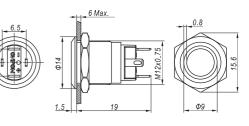




Housing Material © C: Brass chrome plating / S: Stainless steel /

A: Zinc aluminum alloy (Black)
Wiring type Wiring patch(2x0.5mm)
Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12F





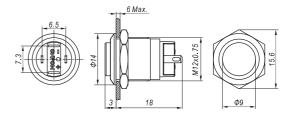
Contact Structure 1NO
Operation type Momentary

Housing Material © C: Brass chrome plating / S: Stainless steel

Wiring type Wiring patch(2x0.5mm)

Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12H



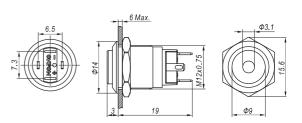


Housing Material ◎ C: Brass chrome plating / S: Stainless steel

Wiring type Wiring patch(2x0.5mm)

Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12H



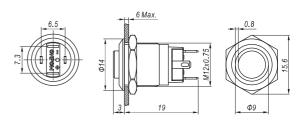


Housing Material \odot C: Brass chrome plating / S: Stainless steel

Wiring type Wiring patch(2x0.5mm)

Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12H











Contact Structure

Operation type

LED color △

Voltage ▲

Overation type

Momentary

R G Y B W

6V/12V/24V

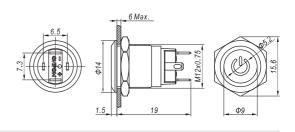
Housing Material

Wiring type

Wiring patch(2x0.5mm)

Protection class IP65(IP67 can be customized), IK07

Applicable accessories M12-12F







GQ12-C series model description

$GQ12-CH-\Box Z \diamondsuit /J/ \triangle / \blacktriangle / \bigcirc$

Symbol	Symbol name	Specify
Н	Head shape	H: High round
	Contact Structure	10: 1NO / No digital means indicator
Z	Operation type	Z: Latching
\Diamond	Illuminated Type	E: O Ring illuminated / No letters mean no lights
J	Wiring type	J: Wiring patch
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V (Due to the structural problems of white and yellow lamp beads, they can only be applied to DC at present)
0	Housing Material	S: Stainless steel

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

remonitance Characteristic		
Operating Temp	-25℃~+55℃ (Non freezing)	
Operating temp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320℃ 3s	
Switch rating	1A/36VDC	
Mechanical Life	200,000 cycles	
Electrical Life	50,000 cycles	
Base material	PA66	
Nut torque	About 0.6Nm	
Torque	About 3.5N	
Operation Travel	About 2.5mm	
Protection class	IP40(IP65 can be customized)	

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

Switch structure description

Туре	Diagram	Symbol
X		

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA	DC: ±10%	a Phe product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

Shape Specification Dimension

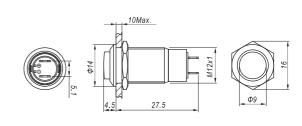


Contact Structure 1NO
Operation type Latching
Housing Material Stainless steel

Wiring type Wiring patch(2.8x0.5mm)

Protection class IP40(IP65 can be customized)

1NO





Contact Structure
Operation type
LED color △
Voltage ▲
Housing Material ◎
Wiring type

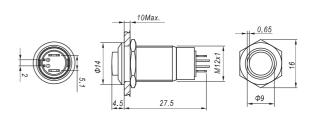
Protection class

Momentary

R G Y B W

6V/12V/24V Stainless steel

Wiring patch(2.8x0.5mm)
IP40(IP65can be customized)4







GQ16 series model description

GQ16★-□◇/◆/△/▲/◎

0Q10X-0074121 2 16		
Symbol	Symbol name	Specify
*	Head shape	B: spherical /F: Flat round/H: High round
	Contact Structure	10: 1NO / No digital means indicator / Some products can be customized with 1NC
♦	Illuminated Type	D: ● Dot illuminated / E: ○ Ring illuminated / ET: ⑤ Ring+power symbol illuminated / No letters mean no lights
*	Wiring type	J: Wiring patch / No letters means terminals
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V All have built-in resistors, other voltage levels can be customized.
0	Housing Material	N: Nickel plated Brass / S: Stainless steel / A: Aluminium alloy (Black)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

T CITOTINGNOC ONGRACIONSING	
Operating Temp	-25℃~+55℃ (Non freezing)
	Keep the switch air circulating well
Operating Humidity	45~85% RH(Non condensing)
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ (500VDC)
Max. withstanding voltage	1500VAC, 50Hz, 1min
Vibration resistance	50Hz, The amplitude is about 1.2mm
Solder heat resistance	320℃ 3s
Switch rating	2A/36VDC 0.5A/220V
Mechanical Life	1,000,000 cycles
Electrical Life	50,000 cycles
Base material	PBT(Products without lights) / PA(Products with lamps)
Nut torque	About 0.6Nm
Torque	About 4N
Operation Travel	About 24mm
Protection class	IP65(IP67 can be customized),IK08

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	2020970305003360
UL508	c 91 . us	UL/E254023
EN61058-1:2018	(€	UDEM/M.2021.206.C62197

Switch structure description

Туре	Diagram	Symbol
×		
Υ		

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥ 40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10%	a B b b The product has built-in protective resistance, and the lamp beed wiring has no distinction between positive and negative poles.





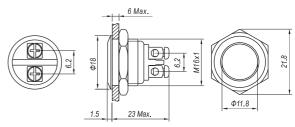
Contact Structure 1NO
Operation type Momentary

Housing Material

N: Nickel plated brass / S: Stainless steel /

A: Aluminium alloy (Black)

Wiring type Terminals
Protection class IP65, IK08
Applicable accessories M12-16F



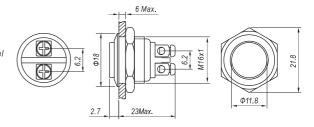


Contact Structure 1NO
Operation type Momentary

Housing Material

N: Nickel plated brass / S: Stainless steel

Wiring type Terminals
Protection class IP65, IK08
Applicable accessories M12-16H



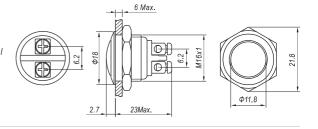


Contact Structure 1NO
Operation type Momentary

Housing Material

N: Nickel plated brass / S: Stainless steel

Wiring type Terminals
Protection class IP65, IK08
Applicable accessories M12-16H





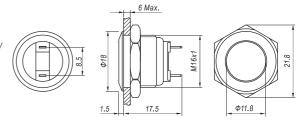
Contact Structure 1NO
Operation type Momentary

Housing Material ○ N: Nickel plated brass / S: Stainless steel /

A: Aluminium alloy (Black)

Wiring type Wiring patch(2×0.5 mm)

Protection class IP65, IK08
Applicable accessories M12-16F



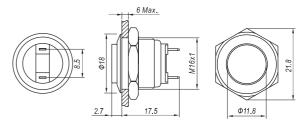


Contact Structure 1NO
Operation type Momentary

Housing Material ◎ N: Nickel plated brass / S: Stainless steel

Wiring type Wiring patch(2×0.5 mm)

Protection class IP65, IK08 Applicable accessories M12-16H



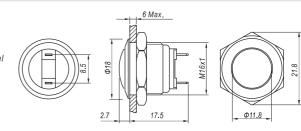


Contact Structure 1NO
Operation type Momentary

Housing Material ◎ N: Nickel plated brass / S: Stainless steel

Wiring type Wiring patch($2 \times 0.5 mm$)

Protection class IP65, IK08 Applicable accessories M12-16H













Contact Structure Operation type $Color \triangle$

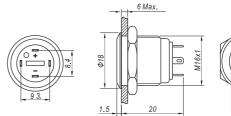
Momentary R G Y B W

Voltage ▲ 6V/12V/24V/110V/220V Housing Material Stainless steel

1NO

Wiring type Wiring patch($2 \times 0.5 mm$) Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16F





Contact Structure Operation type $Color \triangle$

Voltage ▲

Momentary R G Y B W

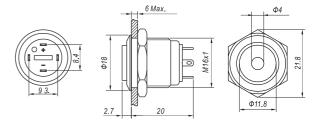
1NO

6V/12V/24V/110V/220V

Housing Material Stainless steel Wiring type Wiring patch(2×0.5 mm)

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16H





Contact Structure Operation type $Color \triangle$

Voltage ▲

Voltage ▲

Momentary

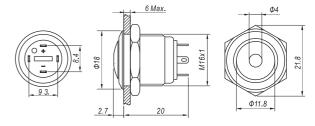
1NO

R G Y B W 6V/12V/24V/110V/220V

Housing Material Stainless steel Wiring type Wiring patch($2 \times 0.5 mm$)

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16H





Contact Structure Operation type $Color \triangle$

1NO Momentary R G Y B W

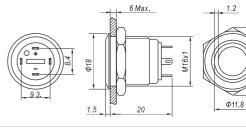
6V/12V/24V/110V/220V

Housing Material © S: Stainless steel / A: Aluminium alloy (Black) Wiring type

Wiring patch(2×0.5 mm)

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16F

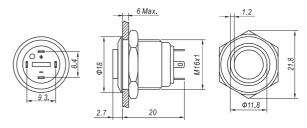




Contact Structure 1NO Operation type Momentary $Color \triangle$ R G Y B W 6V/12V/24V/110V/220V Voltage ▲

Housing Material Stainless steel Wiring type Wiring patch($2 \times 0.5 mm$) Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16H



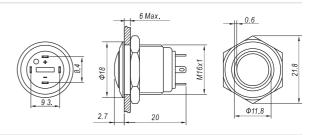


Contact Structure 1NO Operation type Momentary R G Y B W $Color \triangle$

6V/12V/24V/110V/220V Voltage ▲ Stainless steel Housing Material Wiring type Wiring patch(2×0.5 mm)

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16H













 Contact Structure
 1NO

 Operation type
 Momentary

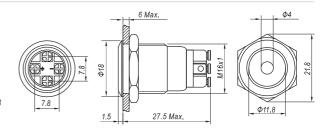
 Color△
 R G Y B W

 Voltage ▲
 6V/12V/24V/110V/220V

Housing Material Stainless steel
Wiring type Terminals

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16F



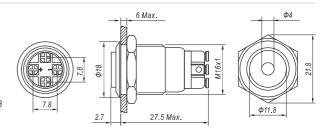


Voltage ▲ 6V/12V/24V/110V/220V

Housing Material Stainless steel Wiring type Terminals

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16H

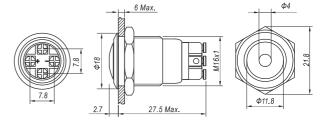




Housing Material Stainless steel
Wiring type Terminals

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16H





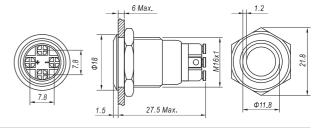
Contact Structure 1NO
Operation type Momentary
Color△ R G Y

Color \triangle R G Y B W Voltage \blacktriangle 6V/12V/24V/110V/220V

Housing Material Stainless steel
Wiring type Terminals

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12–16F





 Contact Structure
 1NO

 Operation type
 Momentary

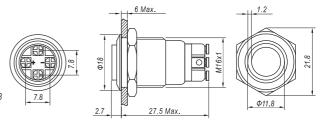
 Color△
 R S Y S W

 Voltage ▲
 6V/12V/24V/110V/220V

Housing Material Stainless steel
Wiring type Terminals

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12–16H





 Contact Structure
 1NO

 Operation type
 Momentary

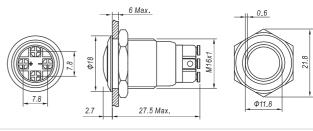
 Color△
 R G Y B W

 Voltage ▲
 6V/12V/24V/110V/220V

Voltage ▲ 6V/12V/24V/110V Housing Material Stainless steel Wiring type Terminals

Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12–16H













Contact Structure Operation type Color∆

Voltage ▲ Housing Material Wiring type

Wiring type Wiring patch(2×0.5 mm)

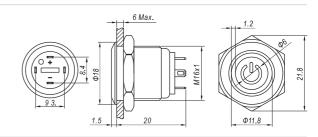
Protection class IP65(IP67 can be customized), IK08

1NO

Stainless steel

1NO

Applicable accessories M12-16F





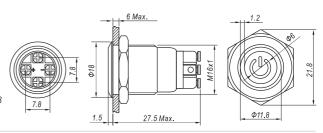
Contact Structure Operation type Color∆

tion type Momentary
△ R G Y B W

Voltage ▲ 6V/12V/24V/110V/220V Housing Material Stainless steel Wiring type Terminals

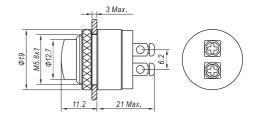
Protection class IP65(IP67 can be customized), IK08

Applicable accessories M12-16F





Switch rating 0.2A / 24V
Contact Structure 1NO
Operation type Momentary
Housing Material brass
Wiring type Terminals
Protection class IP65, IK08











Performance Characteristic

errormance onaracteristic			
Operating Temp	-25℃~+55℃ (Non freezing)		
Operating remp	Keep the switch air circulating well		
Operating Humidity	45~85% RH(Non condensing)		
Contact Resistance	≤50mΩ		
Insulation Resistance	≥100MΩ (500VDC)		
Max. withstanding voltage	1500VAC, 50Hz, 1min		
Vibration resistance	50Hz, The amplitude is about 1.2mm		
Solder heat resistance	320℃ 3s		
Switch rating	0.5A/220V		
Mechanical Life	500,000 cycles		
Electrical Life	50,000 cycles		
Base material	PA		
Nut torque	About 0.6Nm		
Torque	About 1.7N		
Operation Travel	About 3mm		
Protection class	IP40(IP65 can be customized),IK08		

Switch structure description

Туре	Diagram	Symbol
С	NO C	NO C

Switch Rating

Rated Insulation Voltage Ui		250V				
Thermal Current 1th		3A				
Rated voltage		12V	24V	110V	220V	
	AC	Resistive load	-	-	1A	0.5A
Rated Operation	50/60Hz	Inductive load	-	-	0.7A	0.5A
Current	DC	Resistive load	1A	1A	0.2A	-
	DC	Inductive load	0.7A	0.7A	0.1A	-
C	Contact material			Silver	·Alloy	

Minimum load: 3V AC/DC, 5mA (Reference)
Application scope depends on operating environment and load type.

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	20201201000016
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

LED Specifications

opcomoune				
LED life	Current	Allowable voltage fluctuation range	Circuit diagram	
≥ 40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10%	The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.	



GQ16-K series model description

GQ16-K★-□■ ◇/J/△/▲/◎

Symbol	Symbol name	Specify
*	Head shape	F: Flat round / H: High round
	Contact Structure	11: 1NO1NC / No digital means indicator
•	Operation type	Z: Latching / No letter means momentary
\Diamond	Illuminated Type	D: ① Dot illuminated / E: ② Ring illuminated / ET: ③ Ring+power symbol illuminated / No letters mean no lights
J	Wiring type	J:Wiring patch
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V / 12V / 24V All have built-in resistors, other voltage levels can be customized.
0	Housing Material	C: Brass chrome plating / S: Stainless steel / A: Aluminium alloy (Black)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.



Contact Structure Operation type

1NO1NC

Z: Latching / No letter means momentary

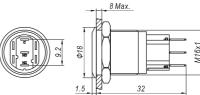
Wiring type Housing Material ◎ Wiring patch(2×0.5 mm) C: Brass chrome plating /

S: Stainless steel / A: Aluminium alloy (Black)

IP40(IP65 can be customized),IK08 Protection class

1NO1NC

Applicable accessories M12-16F







Contact Structure Operation type 🔳 Wiring type

Wiring patch(2×0.5 mm) R G Y B W

Color \triangle Voltage ▲ Housing Material ◎

Protection class

6V/12V/24V/110V/220V

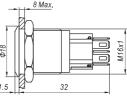
C: Brass chrome plating / S: Stainless stee IP40(IP65 can be customized), IK08

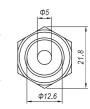
Z: Latching / No letter means momentary

Z: Latching / No letter means momentary

Applicable accessories M12-16F









Contact Structure

Operation type

Wiring type

Color △ Voltage ▲

Housing Material ◎

R G Y B W 6V/12V/24V/110V/220V

C: Brass chrome plating / S: Stainless ste A: Aluminium alloy (Black)

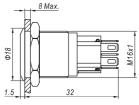
Wiring patch(2×0.5 mm)

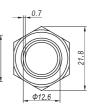
Protection class IP40(IP65 can be customized),IK08

1NO1NC

1NO1NC

Applicable accessories M12-16F







Contact Structure

Operation type Wiring type

Color \triangle

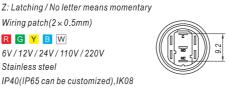
Voltage ▲ Housing Material Protection class

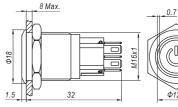
Wiring patch $(2 \times 0.5 mm)$ R G Y B W 6V/12V/24V/110V/220V

Stainless steel

IP40(IP65 can be customized), IK08

Applicable accessories M12-16F













Contact Structure 1NO1NC

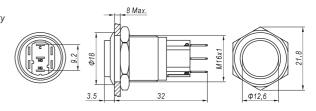
Operation type Z: Latching / No letter means momentary

Wiring type Wiring patch(2×0.5 mm) Housing Material ◎ C: Brass chrome plating /

S: Stainless steel / A: Aluminium alloy (Black)

IP40(IP65 can be customized), IK08 Protection class

Applicable accessories M12-16H





Contact Structure 1NO1NC Operation type \blacksquare

Wiring type $\textit{Color} \ \triangle$

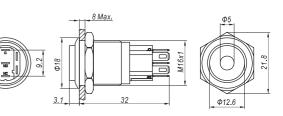
Z: Latching / No letter means momentary

Wiring patch(2×0.5 mm)

R G Y B W 6V/12V/24V/110V/220V

Voltage ▲ Housing Material ◎ C: Brass chrome plating / S: Stainless steel Protection class IP40(IP65 can be customized), IK08

Applicable accessories M12-16H





Contact Structure

Operation type Wiring type Color \triangle

Voltage ▲

Housing Material ◎

Protection class

Applicable accessories M12-16H

1NO1NC

Z: Latching / No letter means momentary

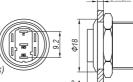
Wiring patch(2×0.5 mm)

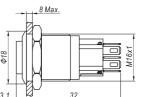
R G Y B W

6V/12V/24V/110V/220V C: Brass chrome plating /

S: Stainless steel / A: Aluminium alloy (Black)

IP40(IP65 can be customized),IK08















Performance Characteristic

Performance Characteristic	
Operating Tomp	-25°C~+55°C (Non freezing)
Operating Temp	Keep the switch air circulating well
Operating Humidity	45~85% RH(Non condensing)
Contact Resistance	≤50mΩ
Insulation Resistance	≥100MΩ (500VDC)
Max. withstanding voltage	1500VAC, 50Hz, 1min
Vibration resistance	50Hz, The amplitude is about 1.2mm
Solder heat resistance	320℃ 3s
Switch rating	0.5A/220V
Mechanical Life	200,000 cycles
Electrical Life	50,000 cycles
Base material	PA
Nut torque	About 0.6Nm
Torque	Self-recovery: about 1.2~1.8N, self-locking: about 2.3~2.8N (1NO1NC) Self-recovery: about 1.4~2N, self-locking: about 2.5~3N (2NO2NC)
Operation Travel	About 2.8mm
Protection class	IP40(IP67 can be customized), IK09

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram	
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10%	a Photocombine bb	

Switch Rating

	<u> </u>					
Rated In	Rated Insulation Voltage Ui		250V			
Thermal Current Ith		3 <i>A</i>				
I	Rated voltage		12V	24V	110V	220V
	AC	Resistive load	-	-	1A	0.5A
Rated Operation	50/60Hz	Inductive load	-	-		0.5A
Current	DC -	Resistive load	1A	1A	0.2A	-
		Inductive load	0.7A	0.7A	0.1A	-
(Contact material			Silver	Alloy	

Minimum load: 3V AC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

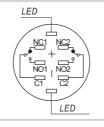
Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	2020970305003362
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

Switch structure description

Туре	Diagram	Symbol
С	NO C C	NO

Pin Description



Up to two sets of switches can be configured. C1, NO1, NC1 and C2, NO2, NC2 are a group of switches respectively; C pin is a common pin, NO pin is a normally open pin, and NC pin is a normally closed pin; + and - pins are lamp bead pins, conventional lamp beads There is no distinction between positive and negative poles in the configuration; the lamp bead is relatively independent from the switch, and the state of the lamp bead can be controlled through the switch or peripheral circuit.



LAS2GQ series model description

$LAS2GQ \star - \square \blacksquare \lozenge / \triangle / \blacktriangle / \circledcirc / \Leftrightarrow$

Symbol	Symbol name	Specify
*	Head shape	F: Flat round / H: High round / C: concave round / G: high concave round
	Contact Structure	11: 1NO1NC / 22: 2NO2NC / No digital means indicator
•	Operation type	Z: Latching / No letter means momentary
♦	Illuminated Type	D: ⊙ Dot illuminated / E: ○ Ring illuminated / DT: ○ Single Power Symbol / ET: ○ Ring+power symbol illuminated / No letters mean no lights
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V/110V/220V other voltage levels can be customized.
0	Housing Material	N: Nickel plated Brass / S: Stainless steel / A: Aluminium alloy (Black)
☆	Protection class	FP:IP67 / No letter represents IP40

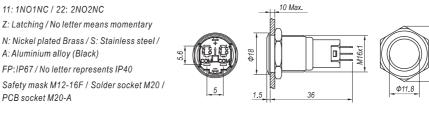
Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Applicable accessories



Contact Structure 11: 1NO1NC / 22: 2NO2NC Operation type Z: Latching / No letter means momentary N: Nickel plated Brass / S: Stainless steel / Housing Material © A: Aluminium alloy (Black) FP:IP67 / No letter represents IP40 Protection class \$

PCB socket M20-A

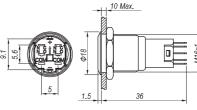


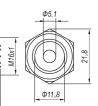


Contact Structure \square 11: 1NO1NC / 22: 2NO2NC Operation type Z: Latching / No letter means momentary

Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material © N: Nickel plated Brass / S: Stainless steel FP:IP67 / No letter represents IP40 Protection class & Safety mask M12-16F / Solder socket M20 / Applicable accessories PCB socket M20-A



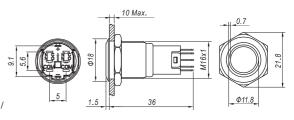




Contact Structure □ 11: 1NO1NC / 22: 2NO2NC Operation type Z: Latching / No letter means momentary Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material © N: Nickel plated Brass / S: Stainless steel / A: Aluminium alloy (Black) Protection class 🕸 FP:IP67 / No letter represents IP40

Applicable accessories Safety mask M12-16F / Solder socket M20 / PCB socket M20-A





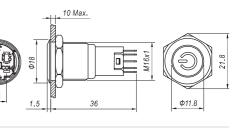
11: 1NO1NC / 22: 2NO2NC Contact Structure

Operation type Z: Latching / No letter means momentary R G Y B W Color ∧

N: Nickel plated Brass / S: Stainless steel Housing Material © FP:IP67 / No letter represents IP40 Protection class & Applicable accessories

6V/12V/24V/110V/220V

Safety mask M12-16F / Solder socket M20 / PCB socket M20-A







Voltage ▲









Contact Structure Operation type

Color A Voltage ▲ R G Y B W

11: 1NO1NC / 22: 2NO2NC

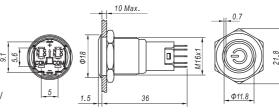
6V/12V/24V/110V/220V Housing Material ©

FP:IP67 / No letter represents IP40 Protection class & Applicable accessories

Safety mask M12-16F / Solder socket M20 / PCB socket M20-A

Z: Latching / No letter means momentary

N: Nickel plated Brass / S: Stainless steel





Contact Structure \square Operation type

Protection class \$

Applicable accessories

Z: Latching / No letter means momentary N: Nickel plated Brass / S: Stainless steel / Housing Material ◎

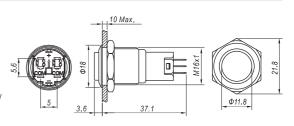
11: 1NO1NC / 22: 2NO2NC

A: Aluminium alloy (Black)

FP:IP67 / No letter represents IP40

Safety mask M12-16H / Solder socket M20 /

PCB socket M20-A





Contact Structure Operation type

Color △

Voltage ▲ Housing Material © Protection class & Applicable accessories

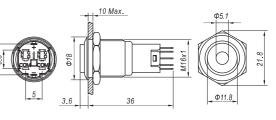
R G Y B W 6V/12V/24V/110V/220V N: Nickel plated Brass / S: Stainless steel

11: 1NO1NC / 22: 2NO2NC

FP:IP67 / No letter represents IP40 Safety mask M12-16H / Solder socket M20 /

PCB socket M20-A

Z: Latching / No letter means momentary





Contact Structure □

Operation type Color △

Voltage ▲ Housing Material ©

Protection class 🖈 Applicable accessories 11: 1NO1NC / 22: 2NO2NC

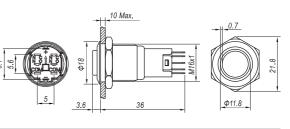
Z: Latching / No letter means momentary

R G Y B W 6V/12V/24V/110V/220V

N: Nickel plated Brass / S: Stainless steel /

A: Aluminium alloy (Black) FP:IP67 / No letter represents IP40

Safety mask M12-16H / Solder socket M20 / PCB socket M20-A





Contact Structure \square 11: 1NO1NC / 22: 2NO2NC

Operation type

Color △

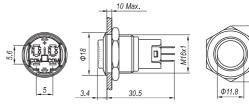
Housing Material

Protection class & Applicable accessories Z: Latching / No letter means momentary

R G Y B W Stainless steel

FP:IP67 / No letter represents IP40

Safety mask M12-16H / Solder socket M20 / PCB socket M20-A



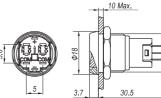


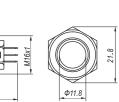
Contact Structure □ Operation type

11: 1NO1NC / 22: 2NO2NC Z: Latching / No letter means momentary

Housing Material Stainless steel

Protection class & FP:IP67 / No letter represents IP40 Applicable accessories Solder socket M20 / PCB socket M20-A



















Switch Rating

Rated Insulation Voltage Ui				25	0 <i>V</i>	
Thermal Current Ith			5A			
Rated voltage			12V	24V	110V	220V
Rated Operation	AC	Resistive load	-	-	1A	0.5A
	50/60Hz	Inductive load	-	-	0.7A	0.5A
Current	DC	Resistive load	1A	1A	0.2A	-
	Inductive I	Inductive load	0.7A	0.7A	0.1A	-
Contact material			Silver	Alloy		

Minimum load: 3V AC/DC, 5mA (Reference) Application scope depends on operating environment and load type.

Performance Characteristic

eriormance Characteristic				
Operating Temp	-25℃~+55℃ (Non freezing)			
Operating remp	Keep the switch air circulating well			
Operating Humidity	45~85% RH(Non condensing)			
Contact Resistance	≤50mΩ			
Insulation Resistance	≥100MΩ (500VDC)			
Max. withstanding voltage	1500VAC, 50Hz, 1min			
Vibration resistance	50Hz, The amplitude is about 1.2mm			
Solder heat resistance	320°C 3s			
Mechanical Life	Button ≥ 1,000,000 times, knob, key button ≥ 200,000 times			
Electrical Life	50,000 cycles			
Key material	Stainless Steel / Aluminum Alloy (Black) / Brass Chrome Plated (Only for LAS1-AGQ16)			
Base material	PBT(LAS1-AGQ16 is PA)			
Nut torque	About 0.6Nm			
Torque	Button: about 1.5N (1NO1NC), about 3N (2NO2NC)			
Operation Travel	About 3.1mm			
	Button:IP65(IP67 can be customized), IK09			
Protection class	Knob, push-lock knob:IP65, IK02			
	key button: IP40,IK02			

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
UL508	c PL ° us	UL/E254053
EN 60947-5-1:2004	<u> </u>	VDE /40050498
GB/T14048.5-2017	(W)	2020970305003363
EN 60947-5-1:2004	C€	UDEM/RBT210131203ER-1

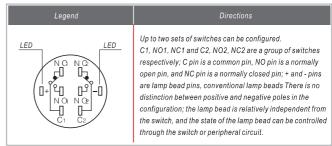
LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram	
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10%	a R The product has built-in prolective resistance, and the lamp bead wiring has no distinction between positive and negative poles.	

Switch structure description

Туре	Diagram	Symbol
С	NO C C	NOC

Pin Description





LAS1-AGQ series model description

 $\mathsf{LAS1-}\mathsf{AGQ} \Leftrightarrow \bigstar - \square \blacksquare \lozenge / \iff / \triangle / \triangleq / \bigcirc$

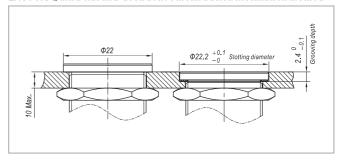
Symbol	Symbol name	Specify
☆	Mounting Aperture	16:Φ16mm / 22:Φ22mm / 30:Φ30mm / No digital means Φ19mm
*	Head shape	H: High round / No letter means flat round
	Contact Structure	11: 1NO1NC / 22: 2NO2NC / No digital means indicator
•	Operation type	Z: Latching / X: Selector button / Y: Key button / TS: Emergency stop button / TSB: Type B emergency stop button / TSC: Type C emergency stop button / TSD: D-type emergency stop button / No letter means momentary
♦	Illuminated Type	D: ⑥Dot illuminated / E: ○ Ring illuminated / DT: ⑥Single Power Symbol / ET: ⑥ Ring+power symbol illuminated / No letters mean no lights
•	Selector and key button operating positions	2: Second position / 3: Third position
•	Selector and key button action types	1: Retention / 3: Fully Self-Double
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V/110V/220V other voltage levels can be customized.
0	Housing Material	S: Stainless steel / A: Aluminium alloy (Black) / C: Chrome plated brass (optional for LAS1-AGQ16 only)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Ultra-flat custom head display



LAS1-AGQ ultra-flat anti-destructive metal button installation method







Contact Structure □ Operation type Housing Material ©

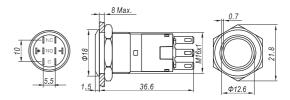
Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

S: Stainless steel /C: Chrome plated brass

IP40(IP65 can be customized),IK09

Safety mask M12-16F / Solder socket S04 / PCB socket S05





Contact Structure □ Operation type Housing Material © Protection class

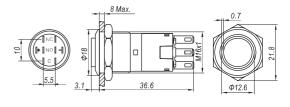
Applicable accessories

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

S: Stainless steel /C: Chrome plated brass IP40(IP65 can be customized),IK09

Safety mask M12-16H / Solder socket S04 / PCB socket S05





Contact Structure Operation type Color △ Voltage ▲ Housing Material © Protection class

Applicable accessories

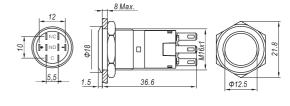
11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

R G Y B W 6V/12V/24V/110V/220V

S: Stainless steel /C: Chrome plated brass IP40(IP65 can be customized),IK09

Safety mask M12-16F / Solder socket S04 / PCB socket S05





Contact Structure □ Operation type Color \triangle Voltage ▲

Housing Material © Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary R G Y B W

6V/12V/24V/110V/220V

11: 1NO1NC / 22: 2NO2NC

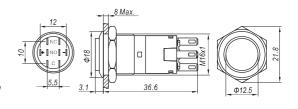
S: Stainless steel /C: Chrome plated brass IP40(IP65 can be customized), IK09

Safety mask M12-16H / Solder socket S04 /

Z: Latching / No letter means momentary

PCB socket S05

R G Y B W



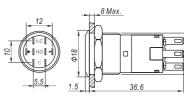


Contact Structure □ Operation type Color △

Voltage ▲ 6V/12V/24V/110V/220V Housing Material ◎ S: Stainless steel /C: Chrome plated brass

IP40(IP65 can be customized), IK09 Protection class Applicable accessories Safety mask M12-16F / Solder socket S04 /

PCB socket S05







Contact Structure Operation type Color △ Voltage ▲

Housing Material ©

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

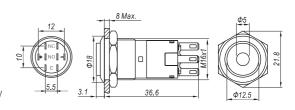
Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel /C: Chrome plated brass IP40(IP65 can be customized), IK09

Safety mask M12-16H / Solder socket S04 / PCB socket S05















Contact Structure Operation type

Color ∧ Voltage ▲

Housing Material

Z: Latching / No letter means momentary R G Y B W

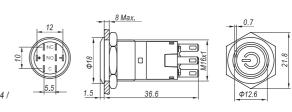
11: 1NO1NC / 22: 2NO2NC

6V/12V/24V/110V/220V

Stainless steel IP40(IP65 can be customized), IK09 Protection class Applicable accessories Safety mask M12-16F / Solder socket S04 /

PCB socket S05

11: 1NO1NC / 22: 2NO2NC



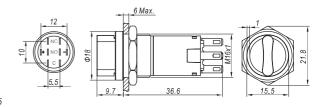


Contact Structure

Operating position lacktriangleR G Y B W Color \triangle

Voltage ▲ 6V/12V/24V/110V/220V Housing Material Stainless steel Protection class IP40,IK02

Applicable accessories Solder socket S04 / PCB socket S05





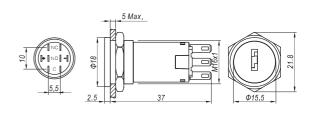
Contact Structure \square

Operating position ◆ ●

11: 1NO1NC / 22: 2NO2NC

Housing Material Stainless steel IP40.IK02 Protection class

Applicable accessories Solder socket S04 / PCB socket S05

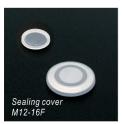


Switch type		90° 2 p	position	45° 3 position
	Action position	1NO1NC	2NO2NC	2NO2NC
Knob, key button working position	•	NOJ NC	NOJ NC NOJ NC Left contact C1 Right contact C1	NO NO NO NO NO Left contact C1 Right contact C1
contact status				NO NO NO NO NO Left contact C1 Right contact C1
	Ø	NO NC	NO N	NO NO NO NO Left contact C1 Right contact C1

- The key button comes with 2 keys as standard.
- The knob and key button must be rotated in place when using.
- During the use of the knob and key button, the product is likely to rotate. It is recommended that the user refer to the figure on the right to make the groove.



Slot size











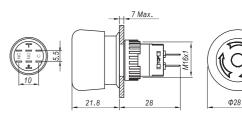


11: 1NO1NC / 22: 2NO2NC Contact Structure \square

Housing Material Aluminum alloy

IP40(IP65 can be customized),IK02 Protection class Applicable accessories

Solder socket S04 / PCB socket S05 / safety mask T34-16





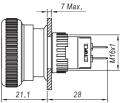
Contact Structure 11: 1NO1NC / 22: 2NO2NC

Housing Material Aluminum alloy

IP40(IP65 can be customized),IK02 Protection class Solder socket S04 / PCB socket S05 / Applicable accessories

safety mask T34-16









Contact Structure \Box

11: 1NO1NC / 22: 2NO2NC Aluminum alloy

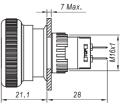
Housing Material Protection class

IP40(IP65 can be customized),IK02

Solder socket S04 / PCB socket S05 / Applicable accessories

safety mask T34-16

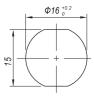






- When tightening the fixing nut on the installation panel, do not use the red head to fix it, otherwise the head structure of the product will be damaged.
- During the use of the push-lock and release button, the product is likely to rotate. It is recommended that the user refer to the figure on the right to make the groove.
- If necessary, the user can choose whether to reinforce the head of the product, please consult the sales staff for details.

Slot size













Contact Structure

11: 1NO1NC / 22: 2NO2NC

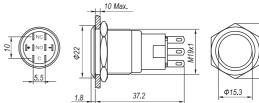
Operation type 🔳 Z: Latching / No letter means momentary

Housing Material ◎ Protection class

S: Stainless steel /A: Aluminium alloy (Black) IP65(IP67 can be customized), IK09

Applicable accessories Safety mask M12-19F / Solder socket S04 /

PCB socket S05 / safety mask T21-19





Contact Structure

Operation type

Color \triangle Voltage ▲

Housing Material ©

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

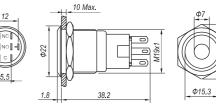
Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel /A: Aluminium alloy (Black) IP65(IP67 can be customized), IK09

Safety mask M12-19F / Solder socket S04 / PCB socket S05 / safety mask T21-19





Contact Structure

Operation type

Color \triangle Voltage ▲

Housing Material ©

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

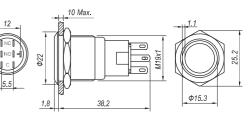
Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel /A: Aluminium alloy (Black) IP65(IP67 can be customized),IK09

Safety mask M12-19F / Solder socket S04 / PCB socket S05 / safety mask T21-19





Contact Structure

Operation type

Color \triangle

Voltage ▲

Housing Material

Protection class Applicable accessories

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

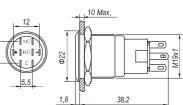


6V/12V/24V/110V/220V

Stainless steel IP65(IP67 can be customized),IK09

Safety mask M12-19F / Solder socket S04 /

PCB socket S05 / safety mask T21-19







Contact Structure □

Operation type

Color \triangle Voltage ▲

Housing Material

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary



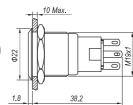
6V/12V/24V/110V/220V

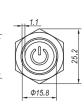
Stainless steel

IP65(IP67 can be customized), IK09

Safety mask M12-19F / Solder socket S04 / PCB socket S05 / safety mask T21-19





















Contact Structure

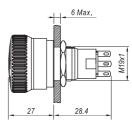
11: 1NO1NC / 22: 2NO2NC

Housing Material Aluminum alloy

Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05









Contact Structure ☐ 11: 1NO1NC / 22: 2NO2NC

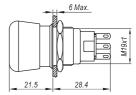
Housing Material Aluminum alloy

Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05 /

safety mask T34-19







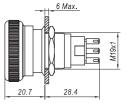


Contact Structure
11: 1NO1NC / 22: 2NO2NC

Housing Material Aluminum alloy
Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05









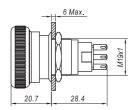
Contact Structure

11: 1NO1NC / 22: 2NO2NC

Housing Material Aluminum alloy
Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05



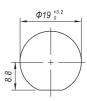




Precautions

- When tightening the fixing nut on the installation panel, do not use the red head to fix it, otherwise the head structure of the product will be damaged.
- During the use of the push-lock and release button, the product is likely to rotate. It is recommended that the
 user refer to the figure on the right to make the groove.
- If necessary, the user can choose whether to reinforce the head of the product, please consult the sales staff for details.

Slotsize















Contact Structure \square

Operating position◆ ●

Color △ Voltage ▲

Housing Material ◎
Protection class
Applicable accessories

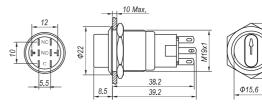
s IP65,IK09 essories Solder socket S04 / PCB socket S05

6V/12V/24V/110V/220V

R G Y B W

Stainless steel

11: 1NO1NC / 22: 2NO2NC





Contact Structure

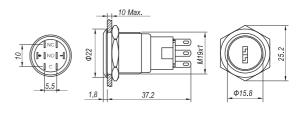
Operating position lacktriangle

11: 1NO1NC / 22: 2NO2NC

Housing Material

Stainless steel
Protection class IP65,IK09

Applicable accessories Solder socket S04 / PCB socket S05



Switch type		90° 2 µ	45° 3 position	
	Action position	1NO1NC	2NO2NC	2NO2NC
Knob, key button working position contact status	(NOJ NC	NOJ NC NOJ NC Left contact C1 Right contact C1	NO NO NO NO NO NO Left contact C1 Right contact C1
				NO NO NO NO NO NO Left contact C1 Right contact C1
	Ø	NO L NC	NO N	NO NO NO NO NO Left contact C1 Right contact C1

Precautions

- The key button comes with 2 keys as standard.
- The knob and key button must be rotated in place when using.
- During the use of the knob and key button, the product is likely to rotate. It is recommended that the user refer to
 the figure on the right to make the groove.

Slot size















Contact Structure 11: 1NO1NC / 22: 2NO2NC

Operation type Z: Latching / No letter means momentary

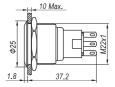
Housing Material S: Stainless steel

IP65(IP67 can be customized),IK09 Protection class

Applicable accessories Safety mask M12-22F / Solder socket S04 /

PCB socket S05 / safety mask T21-22









Contact Structure

Operation type

Color \triangle

Voltage ▲

Housing Material

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

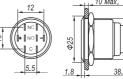
R G Y B W

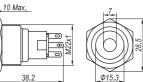
6V/12V/24V/110V/220V

S: Stainless steel

IP65(IP67 can be customized), IK09

Safety mask M12-22F / Solder socket S04 / PCB socket S05 / safety mask T21-22







Contact Structure

Operation type

Color \triangle

Voltage ▲

Housing Material

Protection class

Applicable accessories

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

R G Y B W

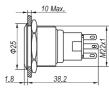
6V/12V/24V/110V/220V

S: Stainless steel

IP65(IP67 can be customized), IK09

Safety mask M12-22F / Solder socket S04 / PCB socket S05 / safety mask T21-22









Contact Structure \square

Operation type

Color \triangle

Voltage ▲

Housing Material

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

R G Y B W

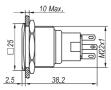
6V/12V/24V/110V/220V

S: Stainless steel

IP65(IP67 can be customized),IK09

Solder socket S04 / PCB socket S05









Contact Structure

Operation type

Color \triangle

Voltage ▲

Housing Material

Protection class Applicable accessories 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

R G Y B W

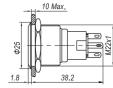
6V/12V/24V/110V/220V

S: Stainless steel

IP65(IP67 can be customized), IK09

Safety mask M12-22F / Solder socket S04 / PCB socket S05 / safety mask T21-22





















Contact Structure

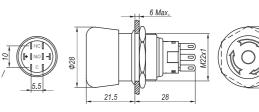
11: 1NO1NC / 22: 2NO2NC

Housing Material Aluminum alloy

Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05

Safety mask T16





Contact Structure

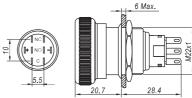
11: 1NO1NC / 22: 2NO2NC

Housing Material Aluminum alloy

Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05 /

Safety mask T16







Contact Structure

11: 1NO1NC / 22: 2NO2NC

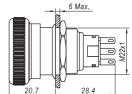
Housing Material Aluminum alloy

Protection class IP65,IK02

Applicable accessories Solder socket S04 / PCB socket S05 /

Safety mask T16







Precautions

- During the use of the push-lock and release button, the product is likely to rotate. It is recommended that the
 user refer to the figure on the right to make the groove.
- If necessary, the user can choose whether to reinforce the head of the product, please consult the sales staff for details.

Slot size















Contact Structure \square

11: 1NO1NC / 22: 2NO2NC

Operating position◆ ●



Color △

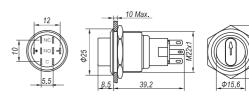
Voltage ▲

Housing Material © Protection class

6V/12V/24V/110V/220V Stainless steel

IP65,IK09

Applicable accessories Solder socket S04 / PCB socket S05





Contact Structure

Protection class

11: 1NO1NC / 22: 2NO2NC

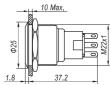




Housing Material © Stainless steel

IP40(IP65 can be customized), IK09 Applicable accessories Solder socket S04 / PCB socket S05







	Switch type	90° 2 position		45° 3 position
	Action position	1NO1NC	2NO2NC	2NO2NC
Knob, key button working position		NOJ NC	NO NO NO NO NO Left contact C1 Right contact C1	NO NO NO NO NO Left contact C1 Right contact C1
contact status				NO NO NO NO NO Left contact C1 Right contact C1
	②	NO L NC	NO N	NO NO NO NO NO Left contact C1 Right contact C1

- The key button comes with 2 keys as standard.
- The knob and key button must be rotated in place when using.
- During the use of the knob and key button, the product is likely to rotate. It is recommended that the user refer to $the \ figure \ on \ the \ right \ to \ make \ the \ groove.$

Slot size











Ф 30mm Product drawing Specifications Overall dimensions 11: 1NO1NC / 22: 2NO2NC Contact Structure \square 10 Max Operation type Z: Latching / No letter means momentary R G Y B W Color △ $\triangle \triangle$: Ring color, \triangle : Symbol color Voltage ▲ 6V/12V/24V Housing Material S: Stainless steel Protection class IP65(IP67 can be customized),IK09 Ф15.4 Applicable accessories Solder socket S04 / PCB socket S05 *LAS1-AGQ30-*□ **□** *C*/△ △/△/▲/S

Description of GQ30 illuminated button luminous device

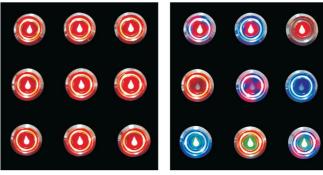
1 Two color lights can be customized for the middle pattern part; You can also customize various luminous words and patterns.

2 There are six light sources in the annular lamp section, which generally support up to two colors, pattern and annularFully independent with lamp, dual color with lamp can be realized with pattern with lamp, and between three states without lamp Two monochrome lamps can be realized by switching the annular band lamp, the dual color lamp is on at the same time, and the four lamps are not equippedSwitching between two states. Combination indicates multiple signal states, except for the switching of dual color strip lightsIn addition to two DC power supplies, switching of other states can be realized through one power supply.

3 Built in protective resistor, no external connection is required.

The wiring method is as follows

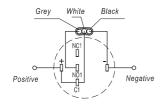
Display of nine commonly used luminous effects



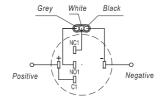
Effect before switching

Effect after switching

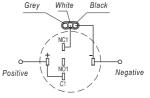
Common wiring methods in the display of luminous effects (the sequence is shown in the left figure from left to right, from top to bottom):



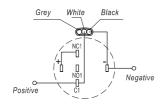
Red+Red → Red+Bicolor



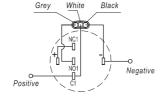
2. Red+Red → Red+Blue



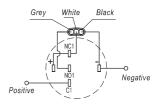
Red+Red → Red+Not bright



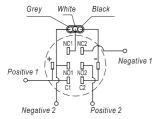
Red+Red → Not bright+Red



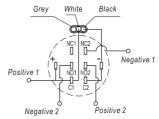
Red+Red → Not bright+Bicolor



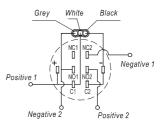
Red+Red → Not bright+Blue



7. Red+Red → Blue+Blue



8. Red+Red → Blue+Red



9. Red+Red → Blue+Bicolor

Note: 7 8 9 Two DC power supplies shall be provided for the switching of bicolor lights in three states and patterns $_{\circ}$

Φ 30mm Product drawing Specifications Overall dimensions



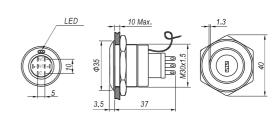
Contact Structure 11: 1NO1NC / 22: 2NO2NC

Operating position lacktriangle

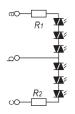
Color \triangle Voltage ▲ 6V/12V/24V Housing Material ○

Stainless steel Protection class

IP40(IP65 can be customized),IK09 Applicable accessories Solder socket S04 / PCB socket S05



Description of built-in luminous device



- Built in protective resistor, no external connection is required.
- Various color light emitting chips can be built in.
- It can achieve the indication form of multiple colors interlaced and lit at the same time, which is beautiful and unique.
- Multiple signal indications can be achieved through the direct or indirect control of the opening and closing states of various contacts of the key switch.



	Switch type	90° 2 position		45° 3 position
	Action position	1NO1NC	2NO2NC	2NO2NC
Knob, key button working position		NOJ NC	NOJ NC NOJ NC Left contact C1 Right contact C1	NO NO NO NO NO NO NO Left contact C1 Right contact C1
contact status				NO NO NO NO NO Left contact C1 Right contact C1
	⊘	NO T NC	NO N	NO N







GQ19 series model description

GQ19★-□◇/◆/△/▲/◎

Symbol	Symbol name	Specify
*	Head shape	B: spherical /F: Flat round
	Contact Structure	10: 1NO / No digital means indicator / Some products can be customized with 1NC
♦	Illuminated Type	$\textbf{D:} \ \textcircled{0} \ \textbf{Dot illuminated / E:} \ \textcircled{0} \ \textbf{Ring illuminated / ET:} \ \textcircled{0} \ \textbf{Ring+power symbol illuminated / No letters mean no lights}$
*	Wiring type	J: Wiring patch / No letters means terminals
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V/110V/220VAII have built-in resistors, other voltage levels can be customized.
0	Housing Material	N: Nickel plated Brass / S: Stainless steel / A: Aluminium alloy (Black)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)		
Operating temp	Keep the switch air circulating well		
Operating Humidity	45~85% RH(Non condensing)		
Contact Resistance	≤50mΩ		
Insulation Resistance	≥100MΩ (500VDC)		
Max. withstanding voltage	1500VAC, 50Hz, 1min		
Vibration resistance	50Hz, The amplitude is about 1.2mm		
Solder heat resistance	320℃ 3s		
Switch rating	2A/36VDC 1A/220V		
Mechanical Life	1,000,000 cycles		
Electrical Life	50,000 cycles		
Base material	PBT		
Nut torque	About 0.6Nm		
Torque	About 4N		
Operation Travel	About 1.8mm		
Protection class	IP65,IK06		

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	2020970305003361
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

Switch structure description

Туре	Diagram	Symbol	
Х			
Υ			
Description: Double break point slow contact switch with two terminals			

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10% AC: ±20%	a R The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.





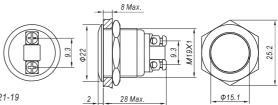
Contact Structure 1NO
Operation type Momentary

Housing Material ◎ N: Nickel plated brass / S: Stainless steel /

A: Aluminium alloy (Black)

Wiring type Terminals
Protection class IP65, IK08

Applicable accessories Sealing cover M12-19F / protection cover T21-19



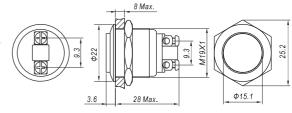


Contact Structure 1NO
Operation type Momentary

Housing Material ◎ N: Nickel plated brass / S: Stainless steel

Wiring type Terminals
Protection class IP65, IK08

Applicable accessories Sealing cover M12-19H



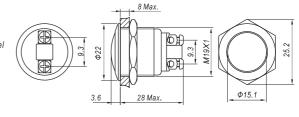


Contact Structure 1NO
Operation type Momentary

Housing Material ◎ N: Nickel plated brass / S: Stainless steel

Wiring type Terminals
Protection class IP65, IK08

Applicable accessories Sealing cover M12-19H





Contact Structure 1NO
Operation type Momentary

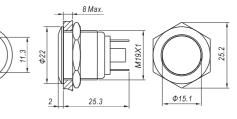
Housing Material ◎ N: Nickel plated brass / S: Stainless steel /

A: Aluminium alloy (Black)

Wiring type Wiring patch(2×0.5 mm)

Protection class IP65, IK08

Applicable accessories Sealing cover M12-19F / protection cover T21-19





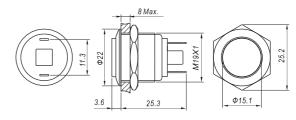
Contact Structure 1NO
Operation type Momentary

Housing Material \bigcirc N:Nickel plated brass / S:Stainless steel

Wiring type Wiring patch(2×0.5 mm)

Protection class IP65, IK08

Applicable accessories Sealing cover M12-19H





Contact Structure 1NO
Operation type Momental

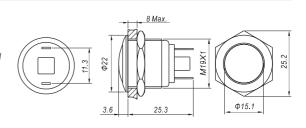
Housing Material

N: Nickel plated brass / S: Stainless steel

Wiring type Wiring patch $(2 \times 0.5 mm)$

Protection class IP65, IK08

Applicable accessories Sealing cover M12-19H













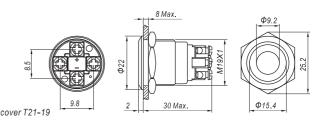


Contact Structure 1NO Operation type

Momentary $Color \triangle$ R G Y B W

Voltage **▲** 6V/12V/24V/110V/220V Housing Material Stainless steel Wiring type Terminals

Protection class IP65, IK08 Applicable accessories Sealing cover M12-19F / protection cover T21-19





Contact Structure 1NO Operation type

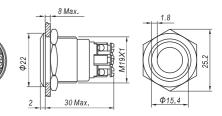
 $Color \triangle$ Voltage **▲** Momentary

R G Y B W

6V/12V/24V/110V/220V

Housing Material Stainless steel Wiring type Terminals Protection class IP65, IK08

Applicable accessories Sealing cover M12-19F / protection cover T21-19





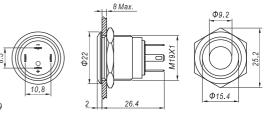
Contact Structure 1NO Operation type Momentary R G Y B W $Color \triangle$

Voltage ▲ 6V/12V/24V/110V/220V

Housing Material Stainless steel Wiring type Wiring patch(2.8×0.5 mm)

Protection class IP65, IK08

Applicable accessories Sealing cover M12-19F / protection cover T21-19





Contact Structure 1NO Momentary Operation type

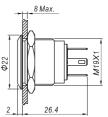
R G Y B W $\textit{Color} \triangle$ Voltage **▲** 6V/12V/24V/110V/220V

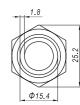
Housing Material Stainless steel Wiring type Wiring patch(2.8×0.5 mm)

Protection class IP65, IK08

Applicable accessories Sealing cover M12-19F/protection cover T21-19









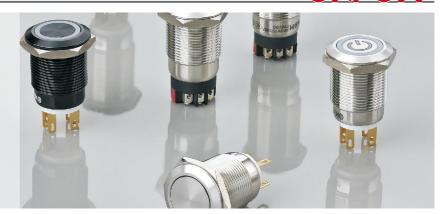






LAS1GQ series

- $\not \approx$ The installation hole diameter is Φ 19mm;
- \Leftrightarrow The rated value of this series of switches is up to 220VAC/5A, with stable performance and durability, which is the best choice for high current users;
- Arr The waterproof grade of the product is IP65/IP67.



LAS1GQ series model description

LAS1GQ☆-□■◇/◆/△/▲/◎

Symbol	Symbol name	Specify	
☆	Head shape	H: High round / No letter means flat round	
	Contact Structure	11: 1NO1NC / No digital means indicator	
	Operation type	Z: Latching / No letter means momentary	
\Diamond	Illuminated Type	D: ●Dot illuminated / E: ○ Ring illuminated / DT: ◎ Single Power Symbol / ET: ◎ Ring+power symbol illuminated / No letters mean no lights	
•	Wiring type	L:Terminal / No letter means the lug	
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White	
A	Voltage	6V/12V/24V/110V/220V other voltage levels can be customized.	
0	Housing Material	S: Stainless steel / A: Aluminium alloy (Black)	

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)	
operating temp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320℃ 3s	
Switch rating	2A/220VAC	
Mechanical Life	1,000,000 cycles	
Electrical Life	50,000 cycles	
Base material	PC	
Nut torque	About 0.8Nm	
Torque	about 4N (IP65), about 5N (IP67)	
Operation Travel	About 2.5mm	
Protection class	IP65(IP67 can be customized), IK09	

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA	DC: ±10%	a
	≥110V about 2mA		The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

Switch Rating

Rated Insulation Voltage Ui			250V
Thermal Current 1th		nt Ith	20A
	Rated voltage		220V
Rated	AC	Resistive load	15A
Operation	50/60Hz	Inductive load	5A
Current	DC	Inductive load	2A
Contact material		erial	Silver Alloy

Minimum load: 3V AC/DC, 5mA (Reference)
Application scope depends on operating environment and load type.

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	2020970305003363
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

Switch structure description

Туре	Diagram	Symbol
Za	2 3 4	1 2 3 4

Pin Description



- 1. 2 is normally closed contact NC;
- 3. 4 is normally open contact NO;

The + and - pins are lamp bead pins, and there is no positive and negative pole distinction in conventional lamp bead $configurations; \it The\ lamp\ bead\ is\ relatively\ independent$ from the switch, and the lamp bead state can be controlled through the switch or peripheral circuit.





Contact Structure 11: 1NO1NC

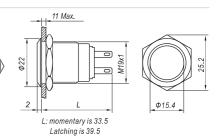
Z: Latching / No letter means momentary Operation type

Housing Material S: Stainless steel

IP65(momentary IP67can be customized), IK09 Protection class

Applicable accessories Sealing cover M12-19F / Protection cover T21-19 /

Solder socket S21 / PCB socket S22





Contact Structure 11: 1NO1NC

Operation type Z: Latching / No letter means momentary

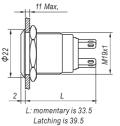
Color ∧ R G Y B W 6V/12V/24V/110V/220V Voltage ▲

Housing Material S: Stainless steel

IP65(momentary IP67can be customized), IK09 Protection class Applicable accessories Sealing cover M12-19F / Protection cover T21-19 /

Solder socket S21 / PCB socket S22









11: 1NO1NC Contact Structure

Operation type Z: Latching / No letter means momentary

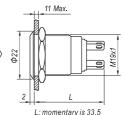
Color △ R G Y B W

6V/12V/24V/110V/220V Voltage ▲

11: 1NO1NC

Housing Material◎ S: Stainless steel / A: Aluminium alloy (Black) IP65(momentary IP67can be customized), IK09 Protection class Applicable accessories Sealing cover M12-19F / Protection cover T21-19 /

Solder socket S21 / PCB socket S22







Contact Structure

Operation type Z: Latching / No letter means momentary Color △

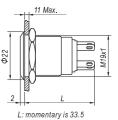
R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09 Applicable accessories Sealing cover M12-19F / Protection cover T21-19 /

Solder socket S21 / PCB socket S22





Latching is 39.5

Latching is 39.5





11: 1NO1NC Contact Structure

Operation type Z: Latching / No letter means momentary

R G Y B W Color ∧

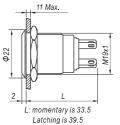
6V/12V/24V/110V/220V Voltage ▲

Housing Material S: Stainless steel

IP65(momentary IP67can be customized), IK09 Protection class

Applicable accessories Sealing cover M12-19F / Protection cover T21-19 / Solder socket S21 / PCB socket S22









Contact Structure

Color ∧

11: 1NO1NC Operation type Z: Latching / No letter means momentary

R G Y B W

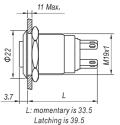
Voltage ▲ 6V/12V/24V/110V/220V

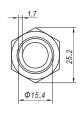
Housing Material S: Stainless steel

IP65(momentary IP67can be customized), IK09 Protection class Applicable accessories Sealing cover M12-19H / Solder socket S21 /

PCB socket S22























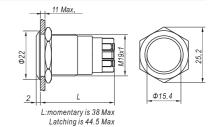
Contact Structure 11: 1NO1NC

Operation type Z: Latching / No letter means momentary

Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized),IK09

Applicable accessories Sealing cover M12-19F / Protection cover T21-19





Contact Structure 11: 1NO1NC

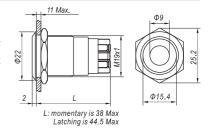
Operation type Z: Latching / No letter means momentary

Color △ R G Y B W

Voltage ▲ 6V/12V/24V/110V/220V

Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09
Applicable accessories Sealing cover M12–19F / Protection cover T21–19





Contact Structure 11: 1NO1NC

Operation type

Housing Material

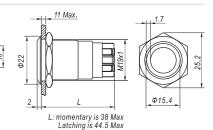
Z: Latching / No letter means momentary

 Color △
 R G Y B W

 Voltage ▲
 6V/12V/24V/110V/220V

Housing Material S: Stainless steel
Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-19F / Protection cover T21-19





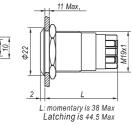
Contact Structure 11: 1NO1NC

Operation type Z: Latching / No letter means momentary

S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-19F / Protection cover T21-19







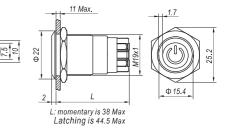
Contact Structure 11: 1NO1NC

Operation type Z: Latching / No letter means momentary

Color △ R G Y B W

Voltage ▲ 6V/12V/24V/110V/220V Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09
Applicable accessories Sealing cover M12–19F / Protection cover T21–19



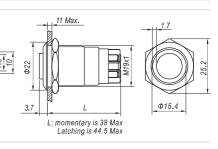


Contact Structure 11: 1NO1NC

Operation type Z: Latching / No letter means momentary

Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-19H













LAS1-BGQ seires

- Arr The installation hole diameter is ϕ 19mm;
- three pole double throw";
- ☆ The series covers buttons, emergency stop buttons, knobs, and key buttons, and each product can be configured with 1~3 switching elements to meet various



LAS1-BGQ series model description

 $LAS1-BGQ-\square \blacksquare \lozenge / \spadesuit \bullet / \triangle / \blacktriangle / \bigcirc$

Symbol	Symbol name	Specify
	Contact Structure	11: 1NO1NC/22: 2NO2NC/33: 3NO3NC/No digital means indicator
•	Operation type	Z: Latching / X: Selector button / Y: Key button / TS: Emergency stop button / No letter means momentary
♦	Illuminated Type	D: O Dot illuminated
•	Selector and key button operating positions	2: Second position / 3: Third position
•	Selector and key button action types	1: Retention / 2:Semi self resetting (32 is right self resetting by default, and left self resetting can be customized) 3: Fully Self-Double
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V/110V/220V other voltage levels can be customized.
©	Housing Material	S: Stainless steel

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)	
Operating remp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320°C 3s	
Switch rating	2A/220VAC	
Mechanical Life	1,000,000 cycles	
Electrical Life	50,000 cycles	
Base material	PA/PC	
Nut torque	About 0.8Nm	
	About 2.5N(1NO1NC)	
Torque	About 3.5N(2NO2NC)	
	About 4.5N(3NO3NC)	
Operation Travel	About 3.1mm	
Protection class	IP40,IK08	

LED Specifications

7				
LED life	Current	Allowable voltage fluctuation range	Circuit diagram	
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10% AC: ±20%	a • b The product has built-in protective resistance, and the lamp bead wiring has no distinction	

Switch Rating

Rated Insulation Voltage Ui		250V				
Thermal Current Ith		5A				
Rated voltage		12V	24V	110V	220V	
	AC	Resistive load	_	_	5A	3 <i>A</i>
Rated Operation	50/60Hz	Inductive load	_	_	3A	2 <i>A</i>
Current	DC	Resistive load	5A	5A	1 <i>A</i>	0.5A
	<i>D</i> C	Inductive load	2A	2 <i>A</i>	0.2A	0.1A
Contact material			Silve	Alloy		

Minimum load: 3V AC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

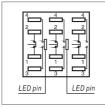
Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	2020970305003713
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

Switch structure description

Туре	Diagram	Symbol
Za	2 3 4	1 24

Pin Description



- 1. 2, 3 and 4 are a group of switches; 1. 2 is normally closed contact NC,
- 3 and 4 are normally open contacts NO.

There is no difference between positive and negative poles for the lamp beads in the conventional configuration. The lamp bead is relatively independent of the switch, and the lamp bead status can be controlled by the switch or peripheral circuit.





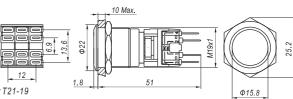
Contact Structure 11: 1NO1NC / 22: 2NO2NC /

33: 3NO3NC

Operation type Z: Latching / No letter means momentary

Housing Material S: Stainless steel
Protection class IP40,IK08

Applicable accessories Sealing cover M12-19F / Protection cover T21-19





Contact Structure 11: 1NO1NC / 22: 2NO2NC /

33: 3NO3NC

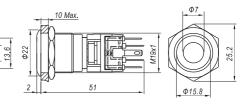
Operation type Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel IP40,IK08

Applicable accessories Sealing cover M12-19F / Protection cover T21-19





Contact Structure 11: 1NO1NC / 22: 2NO2NC /

33: 3NO3NC

Z: Latching / No letter means momentary

 $\begin{array}{c} \textit{Color} \ \triangle \\ \textit{Voltage} \ \blacktriangle \end{array}$

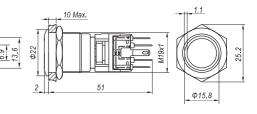
Housing Material

Protection class

Operation type 🔳

Housing Material S: Stainless steel
Protection class IP40,IK08

Applicable accessories Sealing cover M12-19F / Protection cover T21-19





Contact Structure

11: 1NO1NC / 22: 2NO2NC /

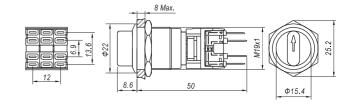
33:3NO3NC

Operating position◆ ●

Housing Material Stainless steel

Protection class IP40,IK02

Applicable accessories Protection cover T34-19





Contact Structure □

11: 1NO1NC / 22: 2NO2NC /

33:3NO3NC

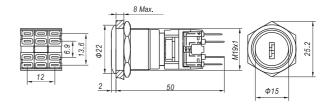
Operating position lacktriangle

21

31 C R

Housing Material Stainless steel
Protection class IP40,IK02

Applicable accessories Protection cover T34-19





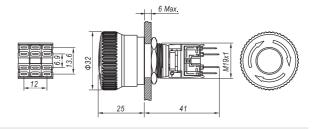
Contact Structure

11: 1NO1NC / 22: 2NO2NC /

33:3NO3NC

Operation type Push lock rotary release type

Housing Material Aluminum alloy
Protection class IP40,IK02













GQ★ series ☆ Have installation aperture Ф 22mm, Ф 25mm, Ф 28mm, Ф 30mm, Ф 40mm ☆ The switch is "fast action | SPDT/DPDT"; ☆ The appearance of the product is elegant and fashionable, the configuration and diverse, and the performance is stable and reliable. The self-locking device of this series is of "gear bite" structure, and the self-locking

☆ The waterproof grade of the product is IP65/IP67.

GQ★ series model description

performance is very reliable;

$GQ \star - \square \blacksquare \lozenge / \triangle / \triangle / \lozenge$

Symbol	Symbol name	Specify
*	Mounting hole diameter	22: Φ 22mm / 25: Φ 25mm / 28: Φ 28mm / 30: Φ 30mm / 40: Φ 40mm
	Contact Structure	11: 1NO1NC/22: 2NO2NC/No digital means indicator
	Operation type	Z: Latching / M: Mushroom button / No letter means momentary
♦	Illuminated Type	D: ① Dot illuminated / E: O Ring illuminated / ET: ① Ring+power symbol illuminated / No letters mean no lights
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V/110V/220V other voltage levels can be customized.
0	Housing Material	S: Stainless steel / A: Aluminium alloy (Black)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Switch Rating

Rated Insulation Voltage Ui		250V				
Thermal Current 1th		5A				
Rated voltage		12V	24V	110V	220V	
	AC	Resistive load	_	_	5A	3 <i>A</i>
Rated	50/60Hz	Inductive load	_	_	3A	2 <i>A</i>
Operation Current	DC	Resistive load	5A	5A	1A	0.5A
	DC	Inductive load	2A	2 <i>A</i>	0.2A	0.1A
Contact material		Silver Alloy				

Minimum load: 3V AC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)	
Operating remp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320°C 3s	
Switch rating	2A/220VAC	
Mechanical Life	1,000,000 cycles	
Electrical Life	50,000 cycles	
Base material	PA	
Nut torque	About 0.6Nm	
Torque	About 4N(1NO1NC)	
Torque	About 7.5N(2NO2NC)	
Operation Travel	About 2.5mm	
Protection class	IP65(momentary IP67 can be customized),IK10	

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	2020970305003358
GB/T 14048.5-2017	(W)	2020970305003358
EN61058-1:2018	CE	UDEM/M.2021.206.C62197

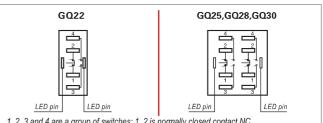
Switch structure description

Туре	Diagram	Symbol
Za	2 3 4	1 2 4

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10% AC: ±20%	a Photographic Product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

Pin Description



1. 2, 3 and 4 are a group of switches; 1. 2 is normally closed contact NC,

7. 2, 3 and 4 are a group or switches, 1. 2s normally closed contact NO,
There is no difference between positive and negative poles for the lamp beads in the
conventional configuration. The lamp bead is relatively independent of the switch, and the lamp bead status can be controlled by the switch or peripheral circuit.





Contact Structure 11: 1NO1NC

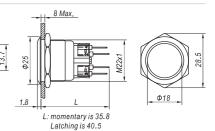
Z: Latching / No letter means momentary Operation type

Housing Material

IP65(momentary IP67can be customized),IK10 Protection class

Sealing cover M12-22F / Protection cover T21-22 / Solder socket M11 / PCB socket M11-A/ Applicable accessories

Quick connect socket M22





11: 1NO1NC Contact Structure

Operation type Z: Latching / No letter means momentary

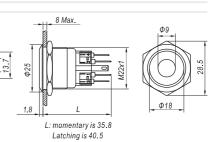
Color \triangle R G Y B W

Voltage ▲ 6V/12V/24V/110V/220V Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized),IK10 Applicable accessories Sealing cover M12-22F / Protection cover T21-22 /

Solder socket M11 / PCB socket M11-A/

Quick connect socket M22





Contact Structure 11: 1NO1NC

Z: Latching / No letter means momentary Operation type

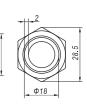
R G Y B W Color \triangle Voltage ▲ 6V/12V/24V/110V/220V

Housing Material © S: Stainless steel / A: Aluminium alloy (Black) Protection class IP65(momentary IP67can be customized),IK10

Applicable accessories Sealing cover M12-22F / Protection cover T21-22 / Solder socket M11 / PCB socket M11-A/ Quick connect socket M22

L: momentary is 35.8 Latching is 40.5

8 Max.





11: 1NO1NC Contact Structure

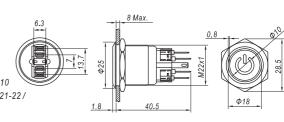
Operation type Z: Latching / No letter means momentary

Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized),IK10 Applicable accessories Sealing cover M12-22F / Protection cover T21-22 /

Solder socket M11 / PCB socket M11-A/

Quick connect socket M22



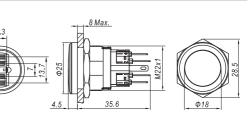


11: 1NO1NC Contact Structure Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material PC: engineering plastic Protection class IP65(momentary IP67can be customized),IK10

Applicable accessories Sealing cover M12-22F / Protection cover T21-22 Solder socket M11 / PCB socket M11-A/

Quick connect socket M22





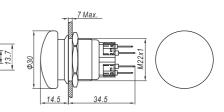
Contact Structure 11: 1NO1NC

Z: Latching / No letter means momentary Operation type

Housing Material aluminium allov

IP65(momentary IP67can be customized),IK10 Protection class Applicable accessories Sealing cover M12-22F / Solder socket M11 /

PCB socket M11-A / Quick connect socket M22



















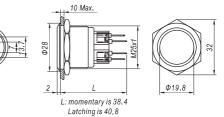
Contact Structure□ 11: 1NO1NC 22: 2NO2NC

Operation type Z: Latching / No letter means momentary

S: Stainless steel Housing Material

IP65(momentary IP67can be customized), IK10 Protection class

Applicable accessories Sealing cover M12-25F / Quick connect socket M23



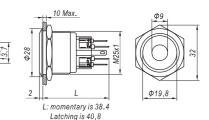


Contact Structure

Operation type Z: Latching / No letter means momentary

 $\textit{Color} \ \triangle$ R G Y B W Voltage ▲ 6V/12V/24V/110V/220V Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized),IK10 Applicable accessories Sealing cover M12-25F / Quick connect socket M23



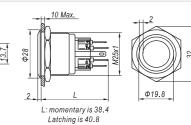


Contact Structure 11: 1NO1NC 22: 2NO2NC Operation type

Z: Latching / No letter means momentary

Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

S: Stainless steel / A: Aluminium alloy (Black) Housing Material◎ IP65(momentary IP67can be customized),IK10 Protection class Applicable accessories Sealing cover M12-25F / Quick connect socket M23





Contact Structure

Z: Latching / No letter means momentary

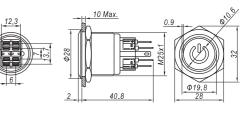
Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material S: Stainless steel

Operation type

IP65(momentary IP67can be customized),IK10 Protection class

Applicable accessories Sealing cover M12-25F / Quick connect socket M23





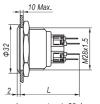
Contact Structure□

Operation type Z: Latching / No letter means momentary

Housing Material S: Stainless steel

IP65(momentary IP67can be customized), IK10 Protection class







Φ22.7

L: momentary is 38.4 Latching is 40.8



Contact Structure Operation type

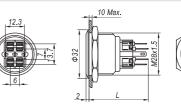
Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

Housing Material S: Stainless steel Protection class

IP65(momentary IP67can be customized), IK10









Color △

Voltage ▲







Contact Structure
Operation type ■
Color △

Color △ Voltage ▲ Housing Material

Protection class

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

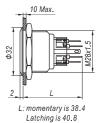


6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK10









Contact Structure□

Operation type

Housing Material

Protection class

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

S: Stainless steel

IP65(momentary IP67can be customized), IK10











Contact Structure Operation type ■

Color △ Voltage ▲

Housing Material
Protection class

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized),IK10







L: momentary is 38.4 Latching is 40.8



Contact Structure
Operation type ■

Color △ Voltage ▲

Housing Material
Protection class

ure 11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel

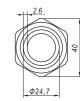
IP65(momentary IP67can be customized), IK10





L: momentary is 38.4

Latching is 40.8





Contact Structure□

Operation type
Housing Material
Protection class

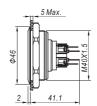
11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

S: Stainless steel

IP65(momentary IP67can be customized),IK10









Contact Structure
Operation type ■

Operation type ■
Color △
Voltage ▲

Housing Material
Protection class

11: 1NO1NC / 22: 2NO2NC

Z: Latching / No letter means momentary

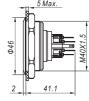
R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel

 $IP65 (momentary\ IP67 can\ be\ customized), IK10$











GQ★-L series model description

$GQ \star -L - \square \blacksquare \lozenge /J/ \triangle / \blacktriangle / \circledcirc$

Symbol	Symbol name	Specify
*	Mounting hole diameter	22: Ф 22mm / 25: Ф 25mm / 30: Ф 30mm
	Contact Structure	11: 1NO1NC / No digital means indicator
	Operation type	Z: Latching / M: Mushroom button / No letter means momentary
\Diamond	Illuminated Type	E: ○ Ring illuminated / ET: ⑤ Ring*power symbol illuminated / No letters mean no lights
•	Wiring type	J: Terminal lug / No letter represents terminal post
Δ	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
A	Voltage	6V/12V/24V/110V/220V other voltage levels can be customized.
©	Housing Material	S: Stainless steel

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)	
Operating temp	Keep the switch air circulating well	
Operating Humidity	45~85% RH(Non condensing)	
Contact Resistance	≤50mΩ	
Insulation Resistance	≥100MΩ (500VDC)	
Max. withstanding voltage	1500VAC, 50Hz, 1min	
Vibration resistance	50Hz, The amplitude is about 1.2mm	
Solder heat resistance	320℃ 3s	
Switch rating	2A/220VAC	
Mechanical Life	1,000,000 cycles	
Electrical Life	50,000 cycles	
Base material	PA/PC	
Nut torque	About 0.8Nm	
Torque	About 4N(IP65)	
Torque	About 5N(IP67)	
Operation Travel	About 2.5mm	
Protection class	IP65(momentary IP67 can be customized),IK09	

Pin Description



- 1. 2 is normally closed contact NC;
- 3. 4 is normally open contact NO;

The+and-pin is the lamp bead pin, and the conventional lamp bead configuration has no difference between positive and negative poles; The lamp bead is relatively independent of the switch, and the lamp bead status can be controlled by the switch or peripheral circuit.

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	(W)	20201201000018
EN61058-1:2018	C€	UDEM/M.2021.206.C62197

Switch Rating

Rated	Rated Insulation Voltage Ui		250V			
Th	Thermal Current Ith		5A			
	Rated voltage		12V	24V	110V	220V
	AC		_	_	5A	3 <i>A</i>
Rated Operation	50/60Hz	Inductive load	-	_	3A	2A
Current	DC	Resistive load	5A	5A	1A	0.5A
	DC		2A	2 <i>A</i>	0.2A	0.1A
(Contact material			Silver	Alloy	

Minimum load: 3V AC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

Switch structure description

Туре	Diagram	Symbol
Za	1 2 2 3 4	1 2 4

LED Specifications

LED life	Current	Allowable voltage fluctuation range	
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10% AC: ±20%	The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.





11: 1NO1NC Contact Structure

Z: Latching / No letter means momentary Operation type

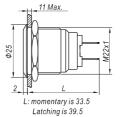
Housing Material

IP65(momentary IP67can be customized), IK09 Protection class

Applicable accessories Sealing cover M12-22F / Protection cover T21-22 /

Solder socket S21 / PCB socket S22









Contact Structure 11: 1NO1NC

Operation type

Z: Latching / No letter means momentary

Color \triangle R G Y B W Voltage ▲

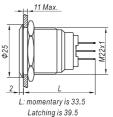
6V/12V/24V/110V/220V Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-22F/ Protection cover T21-22

Solder socket S21 / PCB socket S22









Contact Structure 11: 1NO1NC

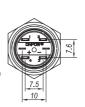
Operation type Z: Latching / No letter means momentary

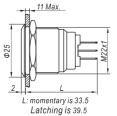
Color \triangle R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-22F / Protection cover T21-22/

Solder socket S21 / PCB socket S22









Contact Structure 11: 1NO1NC

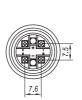
Operation type Z: Latching / No letter means momentary

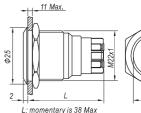
Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09

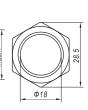
Applicable accessories Sealing cover M12-22F/

Protection cover T21-22





Latching is 44.5 Max





Contact Structure 11: 1NO1NC

Z: Latching / No letter means momentary Operation type

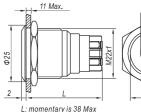
R G Y B W Color △ Voltage ▲ 6V/12V/24V/110V/220V

Housing Material S: Stainless steel

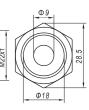
IP65(momentary IP67can be customized), IK09 Protection class

Applicable accessories Sealing cover M12-22F / Protection cover T21-22





Latching is 44.5 Max





Contact Structure

Housing Material

11: 1NO1NC Operation type

Z: Latching / No letter means momentary RGYBW

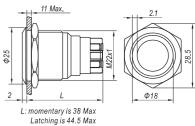
S: Stainless steel

Color A Voltage ▲ 6V/12V/24V/110V/220V

IP65(momentary IP67can be customized), IK09 Protection class

Applicable accessories Sealing cover M12-22F / Protection cover T21-22



















Contact Structure

Operation type

Color △

Voltage ▲

Housing Material

Protection class

Applicable accessories

11: 1NO1NC

Z: Latching / No letter means momentary

R G Y B W

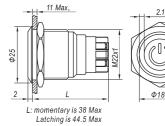
6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK09

Sealing cover M12-22F/ Protection cover T21-22







Contact Structure 11: 1NO1NC

Operation type

Z: Latching / No letter means momentary

Housing Material S: Stainless steel

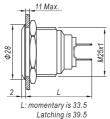
Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-25F/

11: 1NO1NC

Solder socket S21 / PCB socket S22









Contact Structure

Operation type

Z: Latching / No letter means momentary

Color △ Voltage ▲ R G Y B W 6V/12V/24V/110V/220V

Housing Material

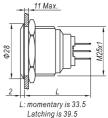
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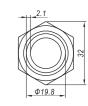
IP65(momentary IP67can be customized), IK09 Protection class Applicable accessories

Sealing cover M12-25F/

Solder socket S21 / PCB socket S22









Contact Structure

Operation type Color \triangle

Z: Latching / No letter means momentary

11: 1NO1NC

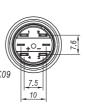
R G Y B W 6V/12V/24V/110V/220V

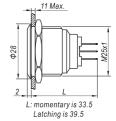
Voltage ▲ Housing Material S: Stainless steel

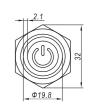
IP65(momentary IP67can be customized), IK09 Protection class

Applicable accessories Sealing cover M12-25F/

Solder socket S21 / PCB socket S22









Contact Structure Operation type 11: 1NO1NC

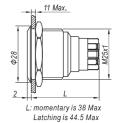
Z: Latching / No letter means momentary

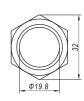
Housing Material S: Stainless steel

Protection class IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-25F









Contact Structure Operation type

11: 1NO1NC

Z: Latching / No letter means momentary

 $Color \ \triangle$

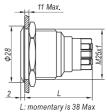
R G Y B W

Voltage ▲ Housing Material 6V/12V/24V/110V/220V

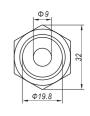
S: Stainless steel Protection class

IP65(momentary IP67can be customized), IK09 Applicable accessories Sealing cover M12-25F





Latching is 44.5 Max















Contact Structure

Operation type

Z: Latching / No letter means momentary

 $\textit{Color} \ \triangle$

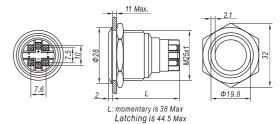
R G Y B W Voltage ▲ 6V/12V/24V/110V/220V

Housing Material Protection class

S: Stainless steel IP65(momentary IP67can be customized), IK09

11: 1NO1NC

Applicable accessories Sealing cover M12-25F





Contact Structure

Operation type

Housing Material

Protection class

Z: Latching / No letter means momentary

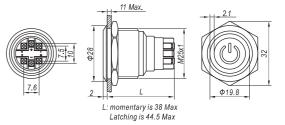
 $\textit{Color} \ \triangle$ Voltage ▲ R G Y B W 6V/12V/24V/110V/220V

S: Stainless steel

11: 1NO1NC

IP65(momentary IP67can be customized), IK09

Applicable accessories Sealing cover M12-25F





Contact Structure

Operation type Housing Material

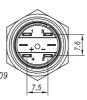
Protection class

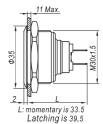
Z: Latching / No letter means momentary

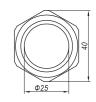
S: Stainless steel

11: 1NO1NC

IP65(momentary IP67can be customized), IK09









Contact Structure Operation type

 $Color \ \triangle$

Voltage ▲

Housing Material Protection class

11: 1NO1NC

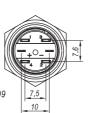
Z: Latching / No letter means momentary

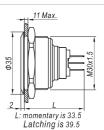


6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK09









Contact Structure

Operation type

Color \triangle

Voltage ▲ Housing Material

Protection class

11: 1NO1NC

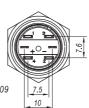
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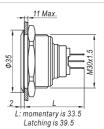
R G Y B W

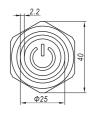
6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK09









Contact Structure Housing Material

Protection class

Operation type

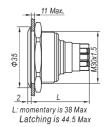
Z: Latching / No letter means momentary

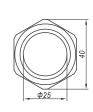
S: Stainless steel

11: 1NO1NC

IP65(momentary IP67can be customized), IK09















Contact Structure
Operation type ■

Color \triangle Voltage \blacktriangle

Housing Material
Protection class

11: 1NO1NC

Z: Latching / No letter means momentary

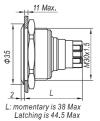
R G Y B W

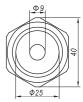
6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK09









Contact Structure
Operation type ■

Color △
Voltage ▲
Housing Material

Protection class

11: 1NO1NC

Z: Latching / No letter means momentary

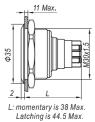
R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK09









Contact Structure
Operation type ■

Color △ Voltage ▲

Housing Material
Protection class

11: 1NO1NC

Z: Latching / No letter means momentary

R G Y B W

6V/12V/24V/110V/220V

S: Stainless steel

IP65(momentary IP67can be customized), IK09



