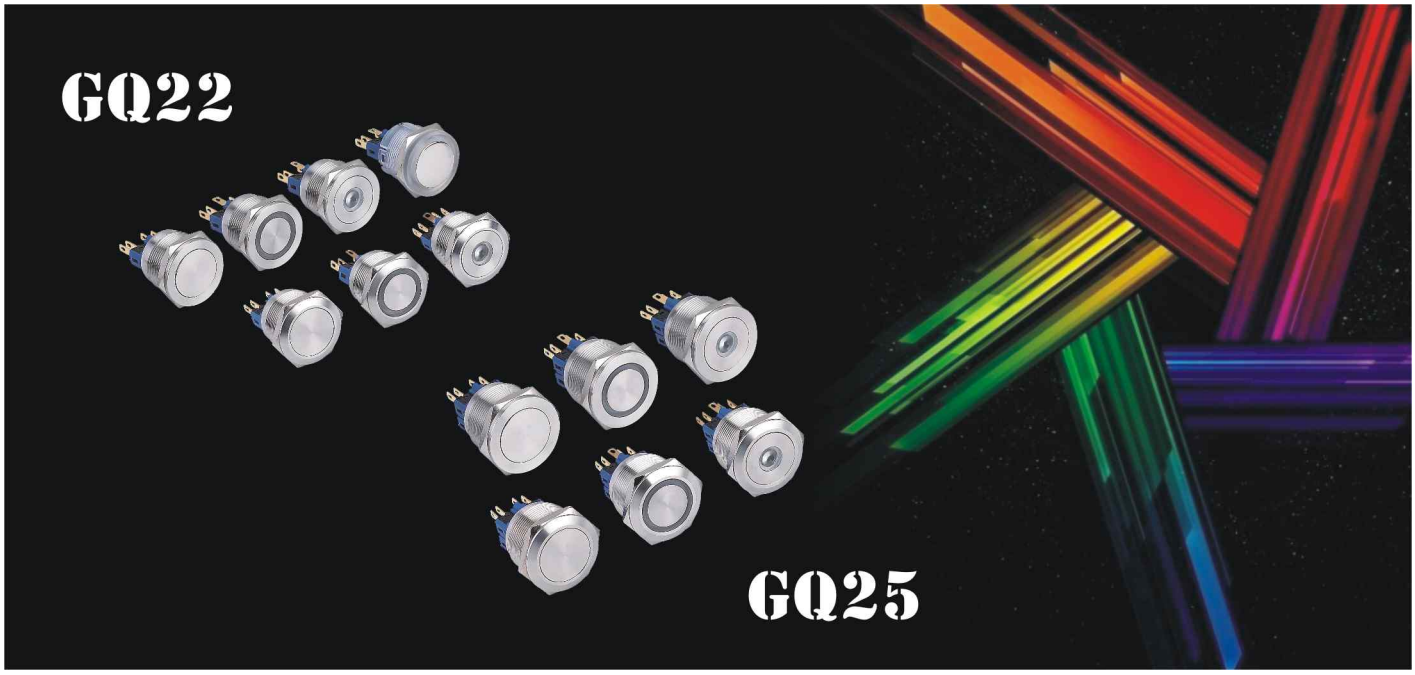




Part–number Description

LAS1 – ★	☆	– □	■	◇	/	◆●	/ △	/ ▲	/ ◎
Code of series	**Code name** BGQ22 BGQ25 BGQ28 AGQ30 BGQ30	**The Front shape** **H** High Round **PF** Super flat head + flat actuator **No letter means flat round**	**Contact structure** 11 1NO1NC 22 2NO2NC 33 3NO3NC **See the detailed description which are available**	**Operation mode** Z Latching Y Key–lock **No letter means momentary**	**Lamp type** D Dot E Ring C Ring+symbol illuminated	**◆Operation position of selector and key–lock type** 2 Two position 3 Three position **●Operation type of selector and key–lock type** 1 Maintain 2 Half return 3 Return	**Lamp color** R Red G Green Y Yellow O Orange B Blue W White	**Lamp voltage** AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V **Other voltage can be made to order**	**Crust material** **S** Stainless steel **A** Aluminium alloy(black)

Note: 1、Pls read the catalogue carefully, and choose the right part–number according to the sign.
2、LAS1–BGQ22 can be written GQ22 for short，LAS1–BGQ25 can be written GQ25，LAS1–BGQ28 can be written GQ28, LAS1–BGQ28 can be written GQ30, some 30mm product can not be written short. Please refer to the detailed description.

LAS1—AGQ Switch Rating

			12V	24V	110V	220V
Rated Insulation Voltage Ui			250V			
Thermal Current Ith			5A			
Rated voltage						
Rated Operation Current	AC 50/60Hz	Resistive load	—	—	1A	0.5A
		Inductive load	—	—	0.7A	0.5A
	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

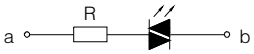
LAS1—BGQ Switch Rating

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

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

Lamp Rating

Lamp type	LED Lamp (AC/DC)
LED color	R G Y O B W
Life span	40000 hours (Reference)
Rated Voltage	AC/DC6V, AC/DC12V, AC/DC110V, AC/DC24V, AC/DC36V, AC/DC220V
Rated Voltage	About 15mA; About 2mA
Dropping life	Inner resistance
Lamp Circuit Diagram	Using AC/DC LED lamp, the terminals have no difference of anode and cathode: Using inner resistance, do not need outer resistance



Note: DC LED and other voltage can be made to order.

Specifications

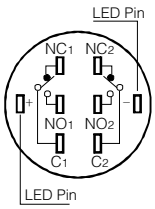
Operating Temperature	–25℃ ~ +55℃(no freezing)
	Maintain good ventilation round the switch
Operating Humidity	45~85%RH(no condensation)
Contact Resistance	≤50mΩ
Insulation Resistance	≥1000MΩ
Dielectric strength	2000V，AC50Hz，5 seconds
Vibration Resistance	50Hz,amplitude 1.2mmP–P
Shock Resistance	≥10g
Solder Heat Resistance	320℃(no more than 2 seconds)

Declaration of conformity

corresponding standard	Certification	Certificate Authority/Certification Number
EN61058–1:2002+A2:2008	CE	VOV/VT11018806
EN60947–1:2004	CE	CTS/CTS070706–01006–E

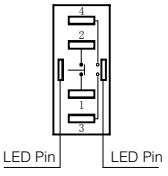
Terminal Description

LAS1–AGQ

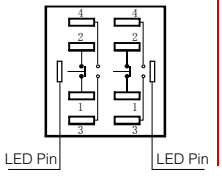


Two sets at most.
C1, NO1, NC1 and C2, NO2, NC2 are one set respectively. C is common used, NO is normal opened, NC is normal closed; +、– are lamp terminals, the standard LED have no difference of anode and cathode; Lamp and switch arerelatively independent and can use switch or peripheral circuit to control the lamp state.

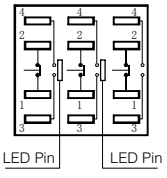
LAS1–BGQ (GQ22)



LAS1–BGQ (GQ25,28,30)



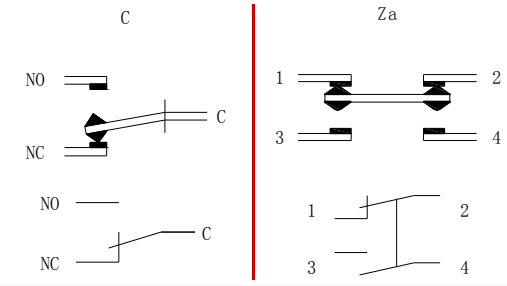
LAS1–BGQ30–33Y

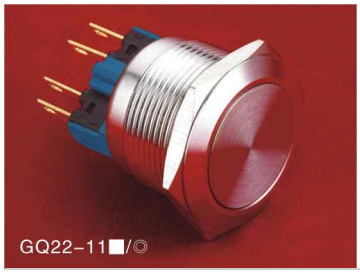


1,2,3,4 are one set;1,2 are normal closed(NC);3,4 are normal opened(NO).
The standard LED terminals have no difference of anode and cathode.
The lamp and switch are relatively independent and can use switch or peripheral circuit to control the lamp state.

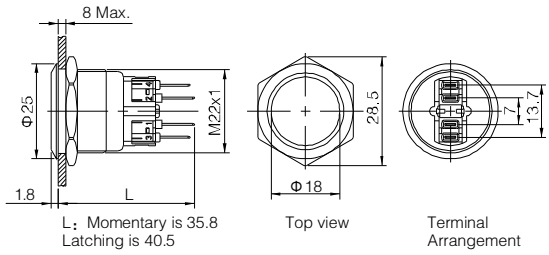
Switching Operation

Type	C	Za
Diagram and Sign	NO, NC, C	1, 2, 3, 4





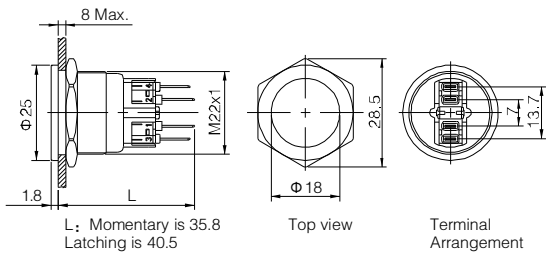
- Φ22mm Diameter
- Switch Rating:Ith:5A, Ui:250V
- Contact Configuration:1NO1NC
- Operation Type(■): Momentary /Latching(Z)
- The Crust Material(◎): Stainless steel(S)Anodized(A)
- IP Degree: IP65(IP67 made to order),IK10



L: Momentary is 35.8
Latching is 40.5
Top view
Terminal Arrangement



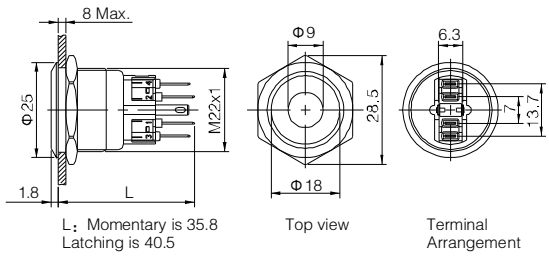
- Φ22mm Diameter
- Switch Rating:Ith:5A, Ui:250V
- Contact Configuration:1NO1NC
- Operation Type(■): Momentary /Latching(Z)
- The Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67 made to order),IK10



L: Momentary is 35.8
Latching is 40.5
Top view
Terminal Arrangement



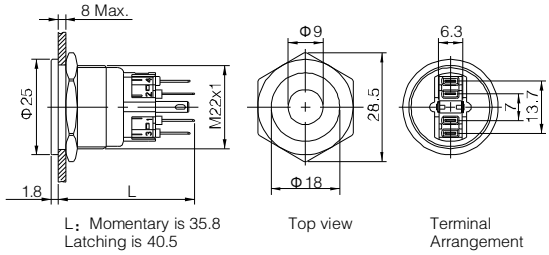
- Φ22mm Diameter
- Switch Rating:Ith:5A, Ui:250V
- Contact Configuration:1NO1NC
- Operation Type(■): Momentary /Latching(Z)
- LED color(△): R G Y O B W
- LED voltage(▲): 6V/12V/24V/110V/220V
- The Crust Material(◎): Stainless steel(S)Anodized(A)
- IP Degree: IP65(IP67 made to order),IK10



L: Momentary is 35.8
Latching is 40.5
Top view
Terminal Arrangement



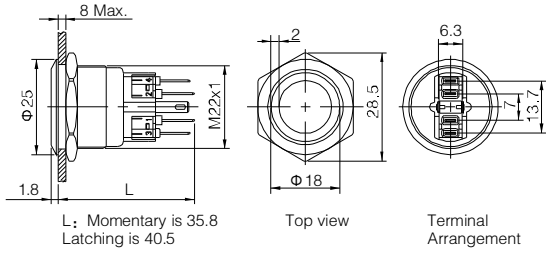
- Φ22mm Diameter
- Switch Rating:Ith:5A,Ui:250V
- Contact Configuration:1NO1NC
- Operation Type(■): Momentary /Latching(Z)
- LED color(△): R G Y O B W
- LED voltage(▲): 6V/12V/24V/110V/220V
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- IP Degree: IP65(IP67 made to order),IK10



L: Momentary is 35.8
Latching is 40.5
Top view
Terminal Arrangement



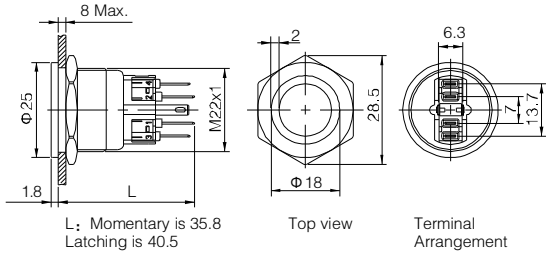
- Φ22mm Diameter
- Switch Rating:Ith:5A, Ui:250V
- Contact Configuration:1NO1NC
- Operation Type(■): Momentary /Latching(Z)
- LED color(△): R G Y O B W
- LED voltage(▲): 6V/12V/24V/110V/220V
- The Crust Material(◎): Stainless steel(S)Anodized(A)
- IP Degree: IP65(IP67 made to order),IK10



L: Momentary is 35.8
Latching is 40.5
Top view
Terminal Arrangement



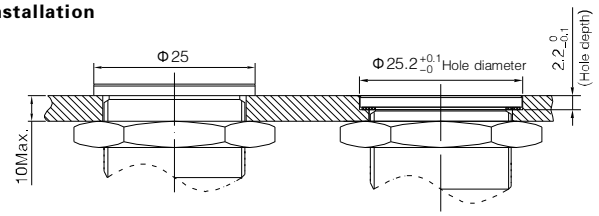
- Φ22mm Diameter
- Switch Rating:Ith:5A, Ui:250V
- Contact Configuration:1NO1NC
- Operation Type(■): Momentary /Latching(Z)
- LED color(△): R G Y O B W
- LED voltage(▲): 6V/12V/24V/110V/220V
- The Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67 made to order),IK10

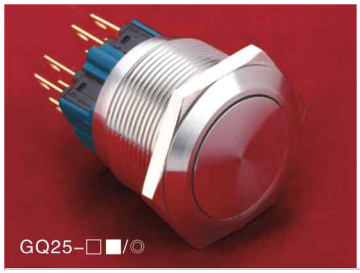


L: Momentary is 35.8
Latching is 40.5
Top view
Terminal Arrangement

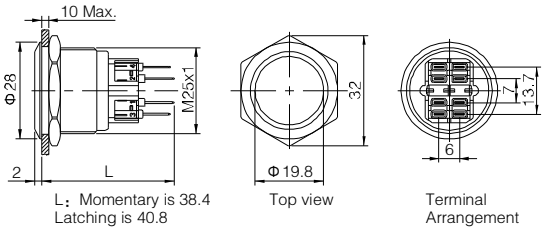
GQ22-11■/◎ GQ22-11■D/△/▲/◎ GQ22-11■E/△/▲/◎			GQ22PF-11■/◎ GQ22PF-11■D/△/▲/◎ GQ22PF-11■E/△/▲/◎
Switching	Za(double-break fast-motion changeover contact)	**Material** Button	Stainless steel/Anodized
Panel Thickness	1 ~ 8mm	**Material** Body	Stainless steel/Anodized
Mechanical Life	1,000,000 cycles	**Material** Base	PA
Electrical Life	50,000 cycles	**Operation Pressure**	About4N
Terminal Type	Pin Terminal(2.8 × 0.5mm)	**Operation Travel**	About2.8mm
Torque	1.0Nm	RoHS	Made to order

GQ22Flush Flat Anti-vandal pushbutton Installation





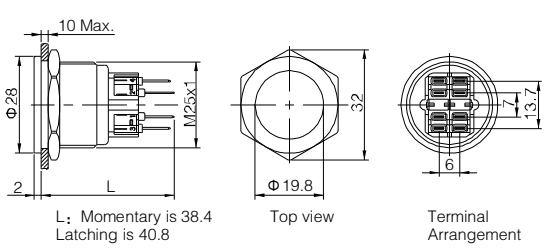
- Φ25mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust Material(◎): Stainless steel(S)/Anodized(A)
- IP Degree: IP65(IP67made to order) ,IK10



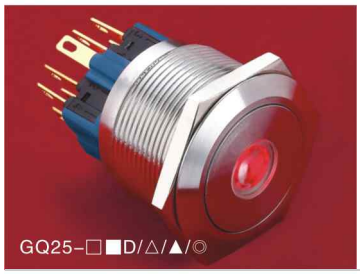
L: Momentary is 38.4
Latching is 40.8
Top view
Terminal Arrangement



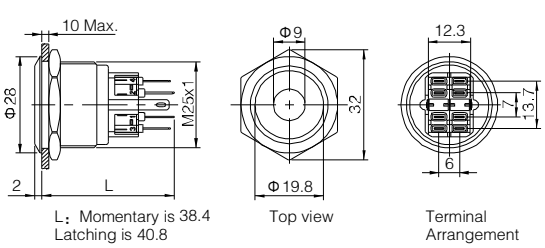
- Φ25mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



L: Momentary is 38.4
Latching is 40.8
Top view
Terminal Arrangement



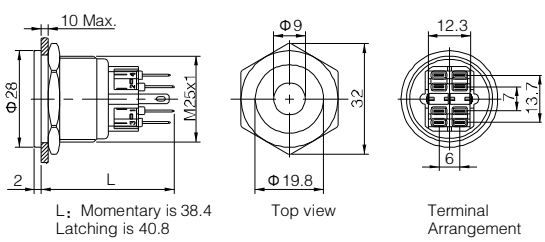
- Φ25mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)/Anodized(A)
- IP Degree: IP65(IP67made to order) ,IK10



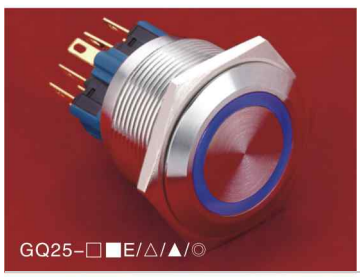
L: Momentary is 38.4
Latching is 40.8
Top view
Terminal Arrangement



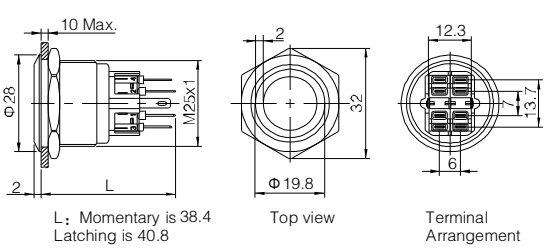
- Φ25mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



L: Momentary is 38.4
Latching is 40.8
Top view
Terminal Arrangement



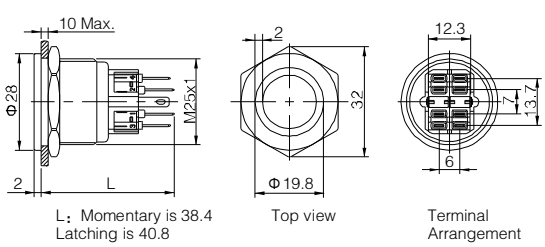
- Φ25mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)/Anodized(A)
- IP Degree: IP65(IP67made to order) ,IK10



L: Momentary is 38.4
Latching is 40.8
Top view
Terminal Arrangement



- Φ25mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10

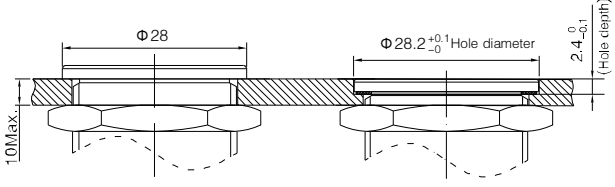


L: Momentary is 38.4
Latching is 40.8
Top view
Terminal Arrangement

GQ25-□■/◎ **GQ25PF-□■/◎**
GQ25-□■D/△/▲/◎ **GQ25PF-□■D/△/▲/◎**
GQ25-□■E/△/▲/◎ **GQ25PF-□■E/△/▲/◎**

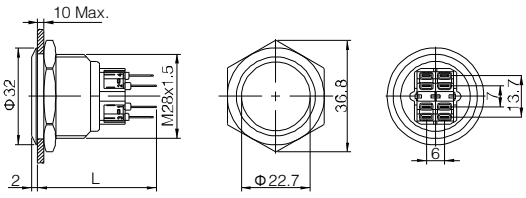
Switching	Za(double-break fast-motion changeover contact)	**Material**	**Button**	Stainless steel/ Anodized
Panel Thickness	1 ~ 8mm		**Body**	Stainless steel/ Anodized
Mechanical Life	1,000,000 cycles		**Base**	PA
Electrical Life	50,000 cycles	**Operation Pressure**		5.5-7N
Terminal Type	Pin Terminal(2.8 × 0.5mm)	**Operation Travel**		
Torque	1.2Nm	**RoHS**		Made to order

GQ25Flush Flat Anti-vandal pushbutton Installation





- Φ28mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



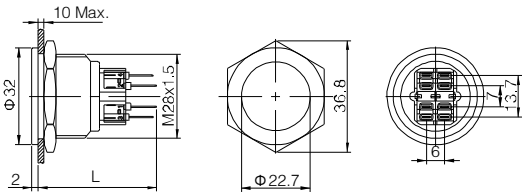
L：Momentary is 39.4
Latching is 41.8

Top view

Terminal Arrangement



- Φ28mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



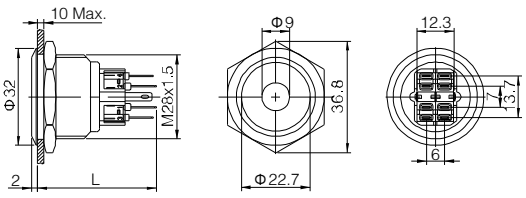
L：Momentary is 39.4
Latching is 41.8

Top view

Terminal Arrangement



- Φ28mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



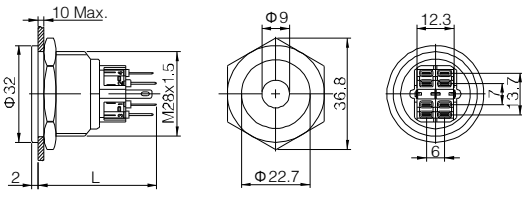
L：Momentary is 39.4
Latching is 41.8

Top view

Terminal Arrangement



- Φ28mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



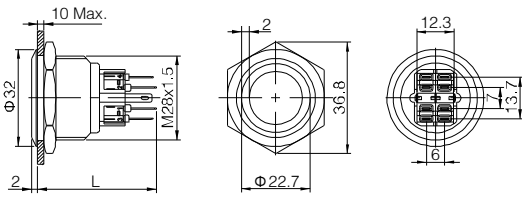
L：Momentary is 39.4
Latching is 41.8

Top view

Terminal Arrangement



- Φ28mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



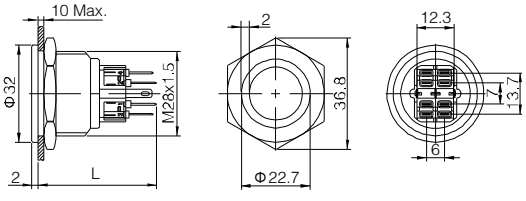
L：Momentary is 38.4
Latching is 40.8

Top view

Terminal Arrangement



- Φ28mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
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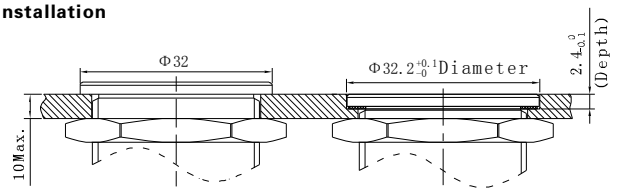
Top view

Terminal Arrangement

GQ28-□■/◎ **GQ28PF-□■/◎**
GQ28-□■D/△/▲/◎ **GQ28PF-□■D/△/▲/◎**
GQ28-□■E/△/▲/◎ **GQ28PF-□■E/△/▲/◎**

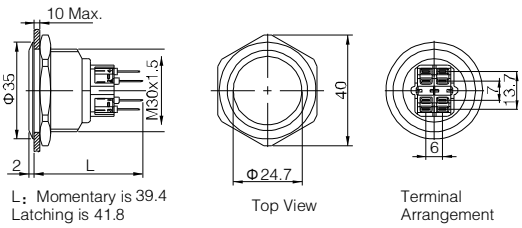
Switching	Za(double-break fast-motion changeover contact)	**Material**	**Button**	Stainless steel
Panel Thickness	1～8mm		**Body**	Stainless steel
Mechanical Life	1,000,000 cycles		**Base**	PA
Electrical Life	50,000 cycles	**Operation Pressure**		5.5-7N
Terminal Type	Pin Terminal(2.8×0.5mm)	**Operation Travel**		About 2.8mm
Torque	1.4Nm	**RoHS**		Made to order

GQ28 Flush Flat Anti-vandal Pushbutton Installation



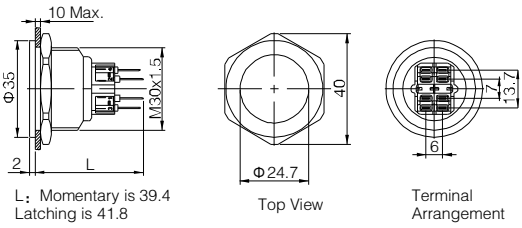


- Φ30mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



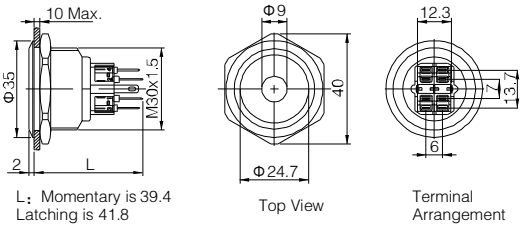


- Φ30mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



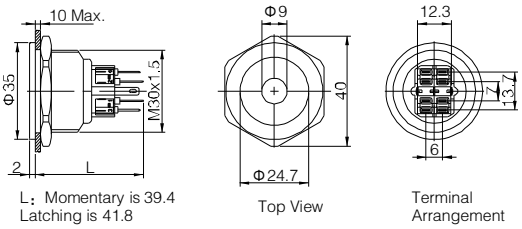


- Φ30mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



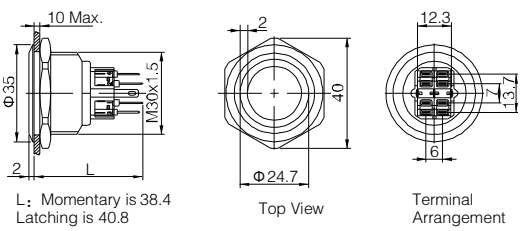


- Φ30mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC(11)/2NO2NC(22)
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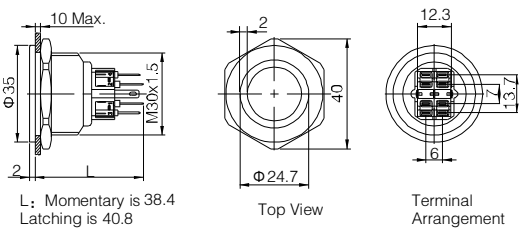


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- Crust Material(◎): Stainless steel(S)
- IP Degree: IP65(IP67made to order) ,IK10



GQ30F-□■/◎	GQ30PF-□■/◎
GQ30F-□■D/△/▲/◎	GQ30PF-□■D/△/▲/◎
GQ30F-□■E/△/▲/◎	GQ30PF-□■E/△/▲/◎

Switching	Za(double-break fast-motion changeover contact)	**Material**	**Button**	Stainless steel
Panel Thickness	1～8mm		**Body**	Stainless steel
Mechanical Life	1,000,000 cycles		**Base**	PA
Electrical Life	50,000 cycles	**Operation Pressure**		5.5-7N
Terminal Type	Pin Terminal(2.8×0.5mm)	**Operation Travel**		About 2.8mm
Torque	1.6Nm	**RoHS**		Made to order

Gq30 Flush Flat Anti-vandal Pushbutton Installation

