Part-number description >>

GQ Series: Part-number description

GQ	★	■	–	□	◇	/	◆	/	△	/	▲	/	◎
Code of series	Mounting hole 8 Φ8mm 12 Φ12mm 16 Φ16mm 19 Φ19mm	The front shape: B Domed F Flat Round H High Round M Doorbell Push button		Contact Structure: 10 1NO	Lamp type D Dot E Ring		Connect type J Pin terminal No letter means Screw terminals		Lamp color and colorized button R Red G Green Y Yellow O Orange B Blue W White N Black		Lamp voltage AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V Note: Other voltage can made to order		The crust material N Nickel-plated Brass G Gold-plated Brass S Stainless steel A Zn-Al alloy (colorized button)

Note: 1、Pls read the catalogue careful, and choose the right part-number according to the sign.
2、Φ16(NC)and Φ19(NC)can made to order.

LAS2GQ Series: Part-number description

LAS2 GQ	★	–	□	■	◇	/	△	/	▲	/	◎	/	☆
Code of series	Code name	The front shape F Flat Round H High Round C Concave Round G High Concave Round		Contact Structure: 11 1NO1NC 22 2NO2NC	Operation mode: Z Latching type No letter means Momentary	Lamp type DDot E Ring		Lamp color and colorized button R Red G Green Y Yellow O Orange B Bule W White		Lamp voltage: AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V Note:Other voltage can be made to order		The crust material: N Nickel-plated Brass S Stainless steel		IP Degree FP IP67 No letter meansIP40

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

LAS1 Series:Part-number description of GQ type

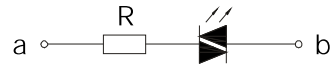
LAS1 –	★	–	□	■	◇	/	○	/	◆●	/	△	/	▲
Series	Code name GQ AGQ AGQ30 BGQ BGQ22 BGQ25 BGQ30	Contact structure 11 1NO1NC 22 2NO2NC 33 3NO3NC Different Code name have different contact structure		Operation Mode: Z Latching type X Selector type Y Key-lock type M Buzzer SM Flash buzzer The momentary type is without letter	Lamp type D Dot E Ring		Connect type L pin terminal No letter means Screw terminals		◆The operation position and selector and key-lock type: 2 Two position 3 Three position ●The operation type for selector switch and key-lock switch 1 Maintain 2 Half return 3 Return		Lamp color R Red G Green Y Yellow O Orange B Bule W White		Lamp and buzzer's voltage AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V Note:Other voltage can be made to order

Note: 1、Pls read the catalog careful, and choose the right part-number according to the sign.
2、LAS1-BGQ22、LAS1-BGQ25 can be written as GQ22、GQ25.

Note >>

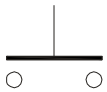
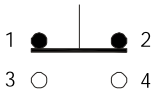
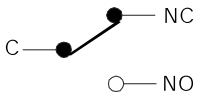
- Pls provide us the detail part-number when you order.
- Colorized crust of Aluminum material are available for all of above products.
- If you need the products made to order, the MOQ need over 1000pcs.
- The IP rate is used for the surface of the panel.

Lamp Ratings

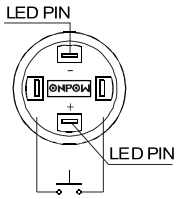
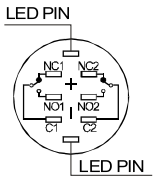
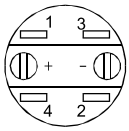
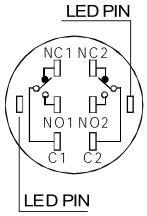
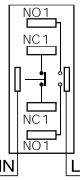
Lamp type	LED lamp (AC/DC)			Lamp Circuit diagram	 Using AC/DC led lamp,the terminal not have the difference of anode and cathode: Using inner resistance (GQ 16 haven't inner resistance), do not need connect outer resistance.
Rated voltage	AC/DC6V	AC/DC12V	AC/DC110V		
	AC/DC24V	AC/DC36V	AC/DC220V		
Rated Amper	About 15mA		About 5mA		
LED color	R G Y O B W				
Life	40000 hours (Reference)				

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

Switching Operation

Code	No.1	No.2	No.3
Switching Operating			

Pin Terminal Description

Part number	GQ16 with lamp	LAS2GQ	LAS1GQ	LAS1-AGQ	LAS1-BGQ
Diagram of the Pin terminal			 1、2 for NC 3、4 for NO +、- for LED		 The second and third switch unit are same with above

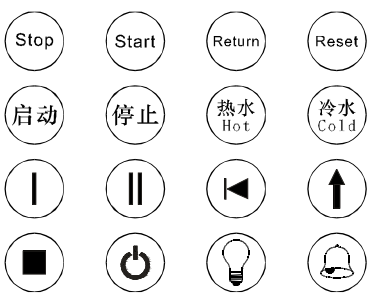
Surface Contrast for different crust material

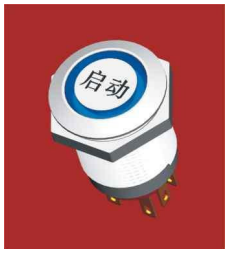
Visual Effect			
Description	Nickel-plated brass(Satin surface)	Stainless steel (Spiral surface)	Gold-plated brass (Satin surface)

MARK: The colorized crust can be made to order(The crust material should use aluminum ally).

Engraving Option

- Adopt advanced laser technical to meet your any requirement. The label have good performance in abrase and erode resistant. For example:





The notice for Pin-welding

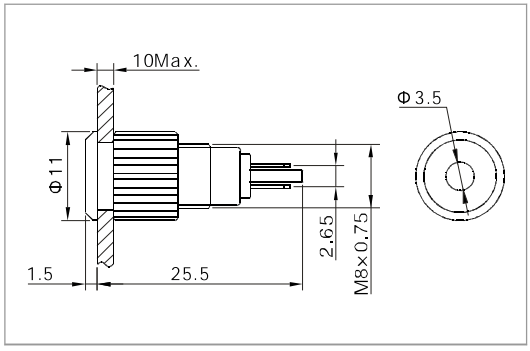
Any improper welding operations all possibly cause plastic deformation, bad-contact switch, ect. When soldering the pin-terminals of switches and Indicators, PIs pay attention to the following point. Because it's easy to have the switch damaged if improper operation.

- Using suitable electric soldering iron and quickening welding speed. We suggest you use 20W electric soldering iron and finish within 3 seconds.
- Using right amount of scaling powder and putting the pin terminals downwards when soldering.
- It's better to use connectors than direct welding.

Anti-vandal indicator



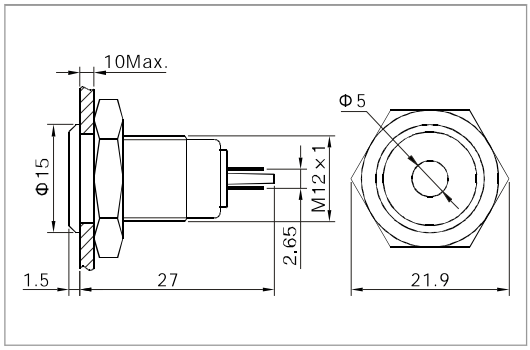
- Φ8mm diameter
- Voltage Rating: Under 36V
- Rated Current: 15mA
- Type: LED
- Color: R/G/Y/O/B/W
- The crust material: Nickel Plated Brass
- IP Degree: IP67



Anti-vandal indicator



- Φ12mm diameter
- Voltage Rating: Under 36V
- Rated Current: 15mA
- Type: LED
- Color: R/G/Y/O/B/W
- The crust material: Nickel plated Brass
- IP Degree: IP67

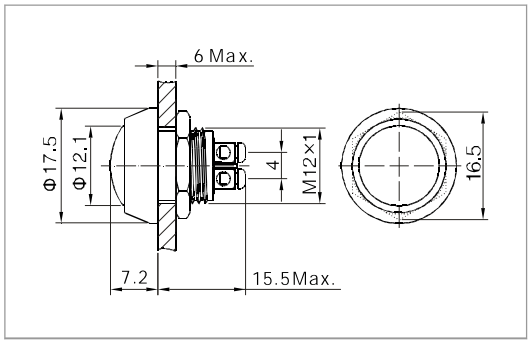


Specification		GQ8F-D/△/▲	GQ12F-D/△/▲
Terminal Type		Pin Terminal(1.8×0.4mm)	Pin Terminal(1.8×0.4mm)
Dielectric Intensity		1100VAC	2000VAC
Operating Temp		-20℃ ~ +55℃	-20℃ ~ + 55℃
Panel Thickness		1~10mm	1~10mm
Torque		5~14Nm	5~14Nm
IP Degree		IP67	IP67
Material	Lampshade	PC	PC
	Body	Nickel Plated Brass	Nickel Palted Brass
	Base	PBT	PBT
	RoHS	Made to order	Made to order
LED Spec.	Type	Indictor(LED)	Indicator(LED)
	Rated Voltage	6V/12V/24V	6V/12V/24V
	Color	R G Y O B W	R G Y O B W
	Life	40000 hours	40000 hours

Anti-vandal push button



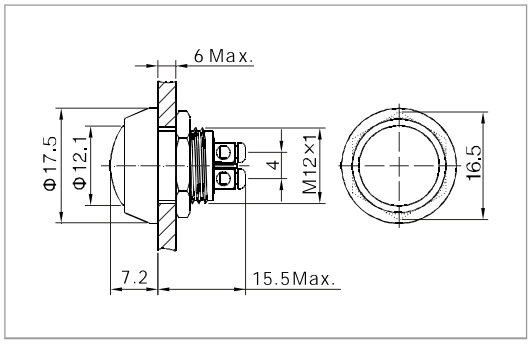
- Φ12mm diameter
- Switch rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The crust material: Stainless Steel/ Nickel Plated Brass
- IP Degree: IP65



Colorized push button



- Φ12mm diameter
- Switch rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The crust material: Zn-Al alloy
- Material of actuator: PBT
- Head Color: R G Y O B W N
- IP Degree: IP65



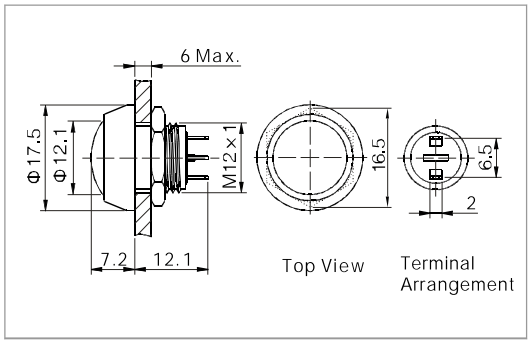


Specification		GQ12B-10/◎	GQ12B-10/△/A
Terminal Type		Screw Terminals	Screw Terminals
Switching		No.1	No.1
Max.Switch Rating		2A/36VDC	2A/36VDC
Contact Resistance		≤50mΩ	≤50mΩ
Insulation Resistance		≥1000MΩ	≥1000MΩ
Dielectric Intensity		2000VAC	2000VAC
Operating Temp		-20℃ ~ +55℃	-20℃ ~ +55℃
Mech anical life		1,000,000 cycles	1,000,000 cycles
Electrical life		200,000 cycles	200,000 cycles
Panel Thichness		1~6mm	1~6mm
Torque		5~14Nm	5~14Nm
Operation Pressure		About 5N	About 5N
Operation Distance		Abou t2.5mm	About 2.5mm
Contact		IP65	IP65
Material	Button	Silver Alloy	Silver Alloy
	Button	Stainless Steel/Nickel Plated Brass	PBT
	Body	Stainless Steel/Nickel Plated Brass	Zn-Al alloy
	Base	PBT	PBT
	RoHS	Made to order	Made to order
Head Color		——	R G Y O B W N

Anti-vandal push button



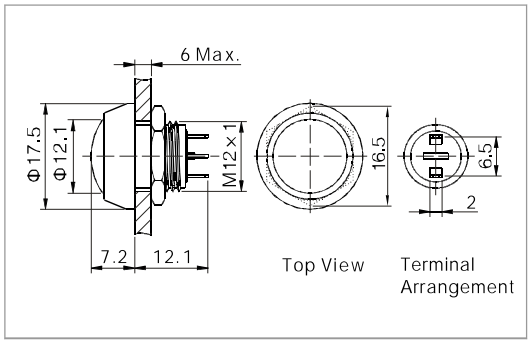
- Φ12mm diameter
- Switch Rating:2A/36VDC
- Contact Configuration: 1NO
- Operation: Momentary
- The crust material: Stainless Steel/ Nickel Plated Brass
- IP Degree: IP65



Colorized push button



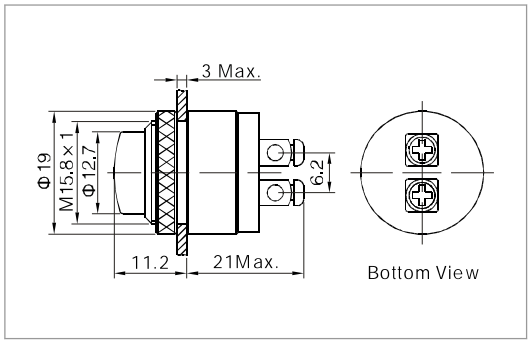
- Φ12mm diameter
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The crust material: Zn-Al alloy
- Material of actuator: PBT
- Head Color: R G Y O B W N
- IP Degree: IP65



Door bell push button



- Φ16mm diameter
- Switch Rating: 2A/36VDC
- Contact Configuration: 1NO
- Operation Type: Momentary
- The crust material: Brass (bronze-coloured)
- IP Degree: IP40



Specification		GQ12B-10/J/◎	GQ12B-10/J/△/A	GQ16M-10
Terminal Tyope		Pin Teminal(2×0.5mm)	Pin Terminal(2×0.5mm)	Screw Terminal
Switching		No.1	No.1	No.1
Max.Switch Rating		2A/36VDC	2A/36VDC	2A/36VDC
Contact Resistance		≤50mΩ	≤50mΩ	≤50mΩ
Insulation Resistancer		≥1000MΩ	≥1000MΩ	≥1000MΩ
Dielectric Intensity		2000VAC	2000VAC	2000VAC
Operating Temp		-20℃ ~ +55℃	-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical life		1,000,000cycles	1,000,000cycles	1,000,000cycles
Electrical life		200，000cycles	200，000cycles	200，000cycles
Panel Thickness		1～6mm	1～6mm	1～3mm
Torque		5～14Nm	5～14Nm	5～14Nm
Operation Pressure		About 5N	About 5N	About 8N
Operation Distance		About 2.5mm	About 2.5mm	About 3mm
IP Degree		IP65	IP65	IP40
Material	Contact	Sliver Alloy	Sliver Alloy	Slive Plated Brass
	Button	Stainless Steel/Nickel Plated Brass	PBT	Brass (brone-coloured)
	Body	Stainless Steel/Nickel Plated Brass	Zn-Al alloy	Brass (brone-coloured)
	Base	PBT	PBT	PBT
	RoHS	Made to order	Made to order	Made to order
Head Color		——	R G Y O B W N	Bronze-coloured