

# GQ12

## Metal Push Button



### Part-number Description

GQ12	★	□	◇	◆	△	▲	◎
<b>Code of series</b>	<b>Code of series</b> B Domed S Square	<b>Contact structure</b> 10 1NO <b>No letter means signal lamp</b>	<b>Lamp type</b> D Dot	<b>Connet type</b> J Pin terminal  No letter means screw terminal	<b>Lamp color and colorized button</b> R Red G Green Y Yellow O Orange B Blue W White N Black	<b>Lamp voltage</b> AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V <b>Note: Other voltage can be made to order</b>	<b>Crust material</b> N Nickel-plated Brass S Stainless steel A Zn-Al alloy (black) T Zn-Al (silvery white) Cr Chrome-plated (made to order)

**Note:** Pls read the catalogue carefully, and choose the right part-number according to the sig

### Specifications

<b>Operating Temperature</b>	-25°C~+55°C (no freezing) keep the air flowing around illuminated pushbutton
<b>Operating Humidity</b>	45~85%RH (no condensation)
<b>Contact Resistance</b>	≤50mΩ
<b>Insulation Resistance</b>	≥1000MΩ
<b>Dielectric Strength</b>	1500V, A C50Hz, 5 seconds
<b>Vibration Resistance</b>	50Hz, Amplitude 1.2mm
<b>Shock Resistance</b>	> 10g
<b>Solder Heat Resistance</b>	320°C (or 30W soldering iron) no more than 2 seconds

### Standard and Certification

Standard	Certification Mark	Certificate Authority / Certification Number
EN61058-1:2002+A2:2008	CE	VOV/VT11018807
EN60947-1:2004		CTS/CTS070706-01006-E

### Switching Operation

<b>Type</b>	X
<b>Sign</b>	
<b>Diagram</b>	
<b>Note:</b> Using two terminals, double-break and slow-motion contact.	

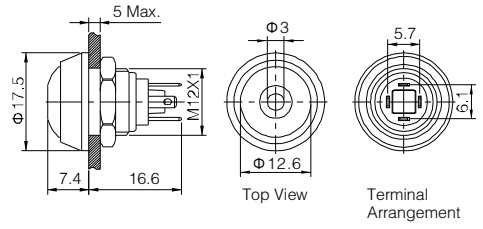
### Lamp Ratings

<b>Lamp Type</b>	LED lamp (AC/DC)
<b>Led Color</b>	R G Y O B W
<b>Life</b>	40000 hours (Reference)
<b>Rated Voltage</b>	AC/DC6V, AC/DC12V, AC/DC24V, AC/DC36V
<b>Rated Current</b>	About 15mA
<b>DroppingWay</b>	Inner resistance (except for some products)
<b>Lamp Circuit Diagram</b>	Using AC/DCLLED lamp, the terminals have no difference of anode and cathode: Using inner resistance, do not need connect outer resistance GQ12 and GQ16 <b>have no inner resistance, need connect outer resistance.</b>
<b>Note:</b> DCLLED and other voltage can be made to order.	



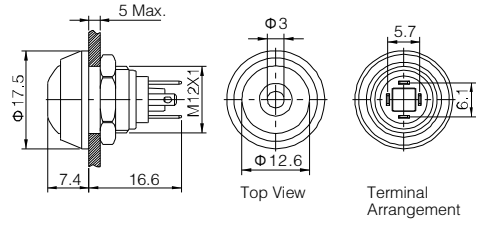
GQ12B-10D/J/Δ/▲/S

- ⊙ Φ 12mm Diameter
- ⊙ Switch Rating: 2A/36VDC
- ⊙ Contact Configuration: 1NO
- ⊙ Operation Type: Momentary
- ⊙ Dot illuminated
- ⊙ LED Color(Δ): **R G Y O B W**
- ⊙ Voltage(▲): 6V/12V/24V/36V(Outer resistance)
- ⊙ The Crust Material:Stainless Steel
- ⊙ IP Degree: IP65 ,IK08



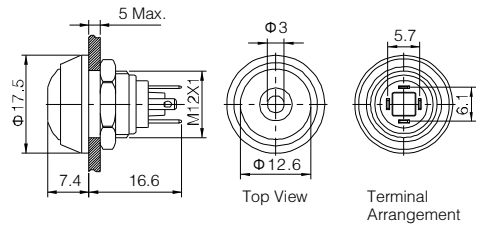
GQ12B-10D/J/Δ/▲/A

- ⊙ Φ 12mm Diameter
- ⊙ Switch Rating: 2A/36VDC
- ⊙ Contact Configuration: 1NO
- ⊙ Operation Type: Momentary
- ⊙ Dot illuminated
- ⊙ LED Color(Δ): **R G Y O B W**
- ⊙ Voltage(▲): 6V/12V/24V/36V(Outer resistance)
- ⊙ The Crust Material:Zn-Al Alloy(black)
- ⊙ IP Degree: IP65 ,IK08



GQ12B-10D/J/Δ/▲/N

- ⊙ Φ 12mm Diameter
- ⊙ Switch Rating: 2A/36VDC
- ⊙ Contact Configuration: 1NO
- ⊙ Operation Type: Momentary
- ⊙ Dot illuminated
- ⊙ LED Color(Δ): **R G Y O B W**
- ⊙ Voltage(▲): 6V/12V/24V/36V(Outer resistance)
- ⊙ The Crust Material:Nickel Plated Brass
- ⊙ IP Degree: IP65 ,IK08



<b>GQ12B-10D/J/Δ/▲/S</b>		<b>Material</b>	<b>Lamp Cover</b>	PBT/Stainless Steel
<b>GQ12B-10D/J/Δ/▲/A</b>			<b>Body</b>	Zn-Al Alloy/Stainless Steel/Nickel Plated Brass
<b>GQ12B-10D/J/Δ/▲/N</b>			<b>Base</b>	PBT
<b>Terminal Type</b>	Pin Terminal(2×0.5mm)	<b>Operation Pressure</b>	About 5N	
<b>Switching</b>	x(double-break slow-motion contact)	<b>Operation Travel</b>	About 2.5mm	
<b>Panel Thickness</b>	1 ~ 5mm			
<b>Torque</b>	0.3Nm			
<b>Mechanical Life</b>	1,000,000 cycles			
<b>Electrical Life</b>	200,000 cycles	<b>RoHS</b>	Made to order	

<b>Lamp Ratings</b>	<b>Lamp Type</b>	dot illuminated/ring illuminated(LED)				
	<b>Led Color</b>	<b>R Y O</b>	<b>G B W</b>			
	<b>Rated Voltage<sub>Ue</sub></b>	AC/DC 1.8V		AC/DC 2.8V		
	<b>Rated Current<sub>Ie</sub></b>	15mA				
	<b>Life</b>	40000 hours				
<b>Current-Limiting Resistance Configuration Table</b>	<b>Operating Voltage(U)</b>	6V	12V	24V	36V	
	<b>Current-Limiting Resistance (R)</b>	<b>R Y O</b>	270 Ω, 1/4W	820 Ω, 1/2W	1.5K Ω, 1W	2.7K Ω, 1W
		<b>G B W</b>	220 Ω, 1/4W	680 Ω, 1/2W	1.5K Ω, 1W	2.7K Ω, 1W