GQ12-A series

the installation aperture is Φ 12mm;

☆ the switch is "self recovery | slow action | single pole single throw";

☆ the products have complete types of lamps (single point, ring and power symbols);

☆ the product has two kinds of heads: low flat and high flat, which can be selected by users;

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

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: ⊙ Dot illuminated / E: ◯ Ring illuminated / DT: ⏻ Ring+power symbol illuminated / No letters mean no lights
◆	Wiring type	J: Wiring patch
	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
	Voltage	6V / 12V / 24V All have built-in resistors, other voltage levels can be customized, and external resistors are required
	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

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
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	CE	UDEM/M.2021.206.C62197

Switch structure description

Type	Diagram	Symbol
X		

LED Specifications

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

LED pin description

LED pin

LED pin

+, 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.
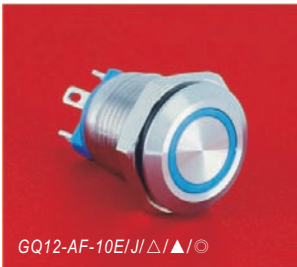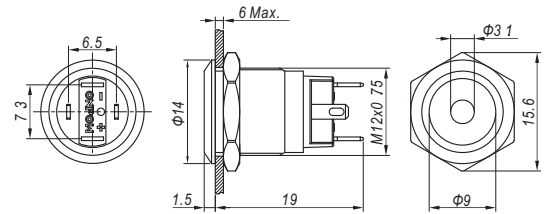
GQ12-AF-10/J/◎

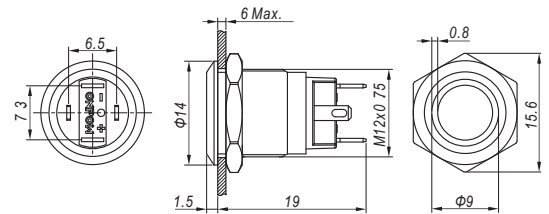|	
Contact Structure	1NO
Operation type	Momentary
Housing Material	C: Brass chrome plating / S: Stainless steel / A: Zinc aluminum alloy (Black)
Wiring type	Wiring patch(2x0.5mm)
Protection class	IP65(IP67 can be customized), IK07
Applicable accessories	M12-12F
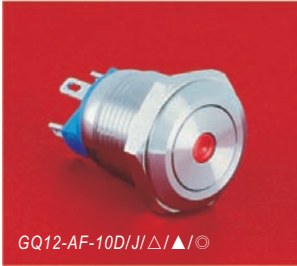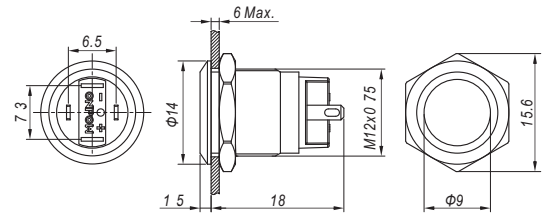
GQ12-AF-10D/J/△/▲/◎

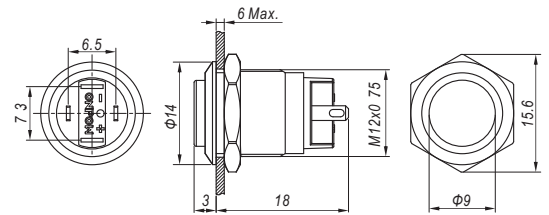|	
Contact Structure	1NO
Operation type	Momentary
LED color △	R G Y B W
Voltage	6V/12V/24V
Housing Material	C: Brass chrome plating / S: Stainless steel
Wiring type	Wiring patch(2x0.5mm)
Protection class	IP65(IP67 can be customized), IK07
Applicable accessories	M12-12F

GQ12-AF-10E/J/△/▲/◎

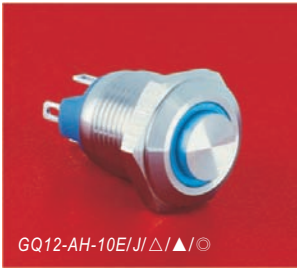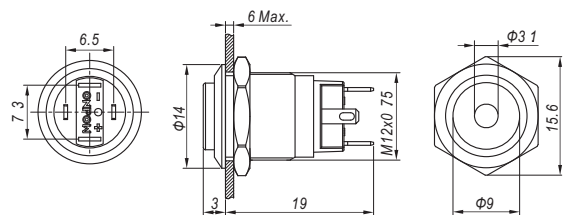|	
Contact Structure	1NO
Operation type	Momentary
LED color △	R G Y B W
Voltage	6V/12V/24V
Housing Material	C: Brass chrome plating / S: Stainless steel / A: Zinc aluminum alloy (Black)
Wiring type	Wiring patch(2x0.5mm)
Protection class	IP65(IP67 can be customized), IK07
Applicable accessories	M12-12F

GQ12-AH-10/J/◎

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

GQ12-AH-10D/J/△/▲/◎

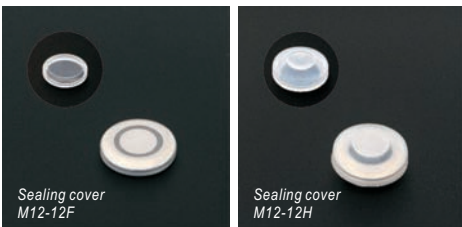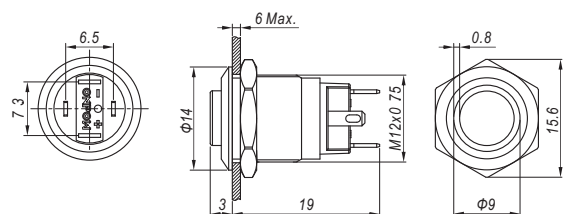|	
Contact Structure	1NO
Operation type	Momentary
LED color △	R G Y B W
Voltage	6V/12V/24V
Housing Material	C: Brass chrome plating / S: Stainless steel
Wiring type	Wiring patch(2x0.5mm)
Protection class	IP65(IP67 can be customized), IK07
Applicable accessories	M12-12H

GQ12-AH-10E/J/△/▲/◎

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	M12-12H

Sealing cover
M12-12F

Sealing cover
M12-12H

GQ12-A

GQ12-AF-10DT/J/△/▲/S

Contact Structure	1NO
Operation type	Momentary
LED color △	R G Y B W
Voltage	6V/12V/24V
Housing Material	Stainless steel
Wiring type	Wiring patch(2x0.5mm)
Protection class	IP65(IP67 can be customized), IK07
Applicable accessories	M12-12F

6 Max.

6.5

7.3

Φ14

M12x0.75

Φ5.2

15.6

1.5

19

Φ9

Sealing cover
M12-12H