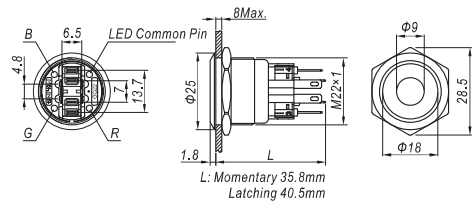


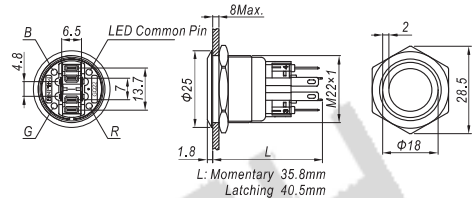
GQ22-11 ■D/★RGB/▲/S (Dual-color with 3 pins is available)

Function Options ■ Z: Latching / No letter means momentary
LED Options ★ 41: Tri-color (Common Cathode) /
42: Tri-color (Common Anode)
LED Voltage ▲ DC6V / DC12V / DC 24V
Body Material ■ Stainless Steel



GQ22-11 ■E/★RGB/▲/S (Dual-color with 3 pins is available)

Function Options ■ Z: Latching / No letter means momentary
LED Options ★ 41: Tri-color (Common Cathode) /
42: Tri-color (Common Anode)
LED Voltage ▲ DC6V / DC12V / DC 24V
Body Material ■ Stainless Steel



Specifications

Mounting Hole Diameter: $\Phi 22\text{mm}$

Contact Configuration: 1NO1NC

Terminal: Solder Lugs(2.8×0.5mm)

Switching: Za(Double-break fast-motion contact)

Contact Resistance: $\leq 50\text{m}\Omega$

Insulation Resistance: $\geq 100\text{M}\Omega(500\text{VDC})$

Dielectric Strength: 1500V, RMS 50Hz, 1 minute

Operating Temperature: $-25^{\circ}\text{C}\sim+55^{\circ}\text{C}$ (no freezing)

Mechanical Life: 1,000,000 cycles

Electrical Life: 50,000 cycles

Panel Thickness: 1~8mm

Mounting Nut Torque: About 0.6Nm

Actuation Force: About 4N

Actuation Travel: About 2.5mm

Actuator Material: Stainless steel

Body Material: Stainless steel

Base: PA

Actuation Force: About 4N

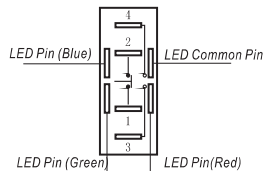
Actuation Travel: About 2mm

Protection Class: IP65(Momentary can be customized with IP67), IK10

RoHS can be Customized

RoHS

Terminal Arrangement



Pin 1,2,3,4 are one set;
1,2 are normal closed(NC);
3,4 are normal opened(NO).
The lamp and switch are relatively
independent and you can use switch or
peripheral circuit to control the lamp state.

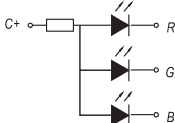
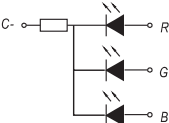
Switch Rating

Rated Insulation Voltage U_i			250V					
Thermal Current I_{th}			5A					
Rated Voltage			12V	24V	110V	220V		
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			Silver Alloy			

Minimum load: 3VAC/DC, 5mA(Ref.)

(Application depends on operating environment and load type.)

Tri-color Lamp Ratings

Lamp Type	DC Tri-color LED		
LED Color	R	G	B
LED Life	40000hours (Ref.)		
Rated Voltage	Without Resistor: R 1.8V G 2.8V B 2.8V		
Rated Current	Built-in Resistor: DC6V DC12V DC24V 5~15mA		
Lamp Circuit Diagram	 Common CathodeCommon Anode		
Using DC LED lamp, please distinguish anode and cathode; Built-in current-limiting resistor. (Please connect external resistors if you need to mix other LED colors.)			

PART NUMBERS ON THIS DRAWING

MR-GQ22-11D-RGB MR-GQ22-11E-RGB

22 MM TRI-COLOUR ANTI-VANDAL PUSH BUTTON

MR-GQ22-RGB SERIES

Micro-Ray

PART NO

MR-GQ22-RGB

DWG NO

MR-GQ22-RGB

SHEET

1 OF 1

REV

A

UNITS: mm

SCALE: NTS - DO NOT SCALE

SIZE

A4

DATE

2026-09-22