

MR-GQ10-K Series model description

MR-GQ10-K-□ ■ ◇ / △ / ▲ / ○

Symbol	Symbol name	Specify
□	Contact Structure	11: 1NO1NC / No digit means indicator lamp
■	Operation type	Z: Latching / No letter means momentary
◇	Illuminated Type	E: ○ Ring illuminated / No letters mean no lights
△	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	S: Stainless steel

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

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)
Operating Humidity	Keep the switch air circulating well
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ (500VDC)
Max. withstanding voltage	1000VAC
Mechanical Life	Momentary ≥ 200,000 cycles, Latching ≥ 100,000 cycles
Electrical Life	50,000 cycles
Operation Travel	About 2.5mm
Torque	About 1.2N
Solder heat resistance	320℃ 3s

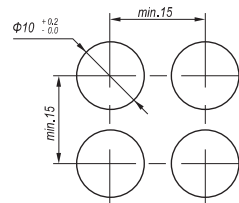
Switch Rating

Rated Insulation Voltage Ui			250V			
Thermal Current Ith			3A			
Rated voltage			12V	24V	110V	220V
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: 3VAC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

Mounting Hole Dimension



LED Specifications

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

Shape	Specification	Dimension
Contact Structure 1NO1NC Operation type ■ Z: Latching / No letter means momentary Housing Material Stainless steel Protection class IP40 Tail configuration Wiring patch (1.8x0.4mm)		
Contact Structure 1NO1NC Operation type ■ Z: Latching / No letter means momentary Illuminated Type Ring illuminated LED Color △ R G Y B W Voltage ▲ 6V/12V/24V Housing Material Stainless steel Protection class IP40 Tail configuration Wiring patch (1.8x0.4mm)		

PART NUMBERS ON THIS DRAWING

MR-GQ10-K-11 MR-GQ10-K-11E

10 MM ILLUMINATED METAL PUSH BUTTON

MR-GQ10-K SERIES

Micro-Ray

PART NO	MR-GQ10-K			
DWG NO	MR-GQ10-K		SHEET 1 OF 1	REV A
UNITS: mm		SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22