

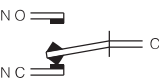
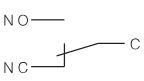
MR-GQ16-K Series

- ☆ the installation aperture is $\Phi 16\text{mm}$;
- ☆ the switch is "quick action | SPDT";
- ☆ this series is as rich in configuration selection as MR-GQ16 (refer to the details page for details), while MR-GQ16-K is 1NQ1NC(GQ16 is)1NO in switch combination, and a self-locking structure is added for users to choose;
- ☆ the waterproof grade of the product is IP40 / IP65.

Performance Characteristic

Operating Temp	-25°C~+55°C (Non freezing) Keep the switch air circulating well
Operating Humidity	45~85% RH(Non condensing)
Contact Resistance	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 100\text{M}\Omega$ (500VDC)
Max. withstanding voltage	1500VAC, 50Hz, 1min
Vibration resistance	50Hz, The amplitude is about 1.2mm
Solder heat resistance	320°C 3s
Switch rating	0.5A/220V
Mechanical Life	500,000 cycles
Electrical Life	50,000 cycles
Base material	PA
Nut torque	About 0.6Nm
Torque	About 1.7N
Operation Travel	About 3mm
Protection class	IP40(IP65 can be customized),IK08

Switch structure description

Type	Diagram	Symbol
C		

Switch Rating

Rated Insulation Voltage U_i			250V			
Thermal Current I_{th}			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: 3V AC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017		
EN61058-1:2018		

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥ 40000 hours	$\leq 24\text{V}$ about 15mA $\geq 110\text{V}$ about 2mA	DC: $\pm 10\%$	 The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

PART NUMBERS ON THIS DRAWING

MR-GQ16-KF-11 MR-GQ16-KF-11D MR-GQ16-KF-11E MR-GQ16-KF-11ET MR-GQ16-KH-11
MR-GQ16-KH-11D MR-GQ16-KH-11E

16 MM METAL PUSH BUTTON

MR-GQ16-K SERIES

Micro-Ray

PART NO

MR-GQ16-K

DWG NO

MR-GQ16-K

SHEET

1 OF 3

REV

A

UNITS: mm

SCALE: NTS - DO NOT SCALE

SIZE

A4

DATE

2026-09-22

MR-GQ16-K series model description

GQ16-K★-□◇/J/△/▲/◎

Symbol	Symbol name	Specify
★	Head shape	F: Flat round / H: High round
□	Contact Structure	11: 1NO1NC / No digital means indicator
■	Operation type	Z: Latching / No letter means momentary
◇	Illuminated Type	D: ●Dot illuminated / E: ○Ring illuminated / ET: ◎Ring+power symbol illuminated / No letters mean no lights
J	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.
◎	Housing Material	C: Brass chrome plating / S: Stainless steel / A: Aluminium alloy (Black)

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

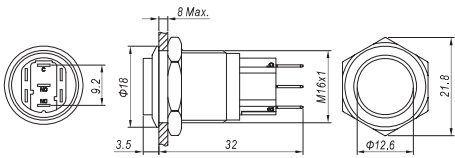
Contact Structure	1NO1NC		
Operation type	■ Z: Latching / No letter means momentary		
Wiring type	Wiring patch(2×0.5mm)		
Housing Material	◎ C: Brass chrome plating / S: Stainless steel / A: Aluminium alloy (Black)		
Protection class	IP40(IP65 can be customized),IK08		
Applicable accessories	M12-16F		
Contact Structure	1NO1NC		
Operation type	■ Z: Latching / No letter means momentary		
Wiring type	Wiring patch(2×0.5mm)		
Color	△ R G Y B W		
Voltage	▲ 6V / 12V / 24V / 110V / 220V		
Housing Material	◎ C: Brass chrome plating / S: Stainless steel		
Protection class	IP40(IP65 can be customized),IK08		
Applicable accessories	M12-16F		
Contact Structure	1NO1NC		
Operation type	■ Z: Latching / No letter means momentary		
Wiring type	Wiring patch(2×0.5mm)		
Color	△ R G Y B W		
Voltage	▲ 6V / 12V / 24V / 110V / 220V		
Housing Material	◎ C: Brass chrome plating / S: Stainless steel / A: Aluminium alloy (Black)		
Protection class	IP40(IP65 can be customized),IK08		
Applicable accessories	M12-16F		
Contact Structure	1NO1NC		
Operation type	■ Z: Latching / No letter means momentary		
Wiring type	Wiring patch(2×0.5mm)		
Color	△ R G Y B W		
Voltage	▲ 6V / 12V / 24V / 110V / 220V		
Housing Material	Stainless steel		
Protection class	IP40(IP65 can be customized),IK08		
Applicable accessories	M12-16F		

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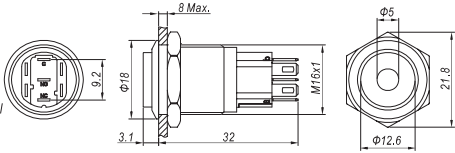
MR-GQ16-KF-11 MR-GQ16-KF-11D MR-GQ16-KF-11E MR-GQ16-KF-11ET MR-GQ16-KH-11
MR-GQ16-KH-11D MR-GQ16-KH-11E

16 MM METAL PUSH BUTTON		Micro-Ray	
MR-GQ16-K SERIES			
PART NO	MR-GQ16-K		
DWG NO	MR-GQ16-K	SHEET 2 OF 3	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

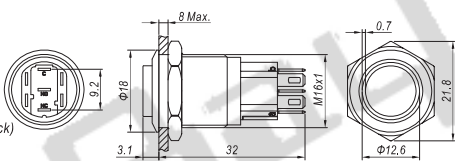
Contact Structure 1NO1NC
Operation type ■ Z: Latching / No letter means momentary
Wiring type Wiring patch(2×0.5mm)
Housing Material ◎ C: Brass chrome plating /
S: Stainless steel /
A: Aluminium alloy (Black)
Protection class IP40(IP65 can be customized), IK08
Applicable accessories M12-16H



Contact Structure 1NO1NC
Operation type ■ Z: Latching / No letter means momentary
Wiring type Wiring patch(2×0.5mm)
Color △ R G Y B W
Voltage ▲ 6V / 12V / 24V / 110V / 220V
Housing Material ◎ C: Brass chrome plating / S: Stainless steel
Protection class IP40(IP65 can be customized), IK08
Applicable accessories M12-16H



Contact Structure 1NO1NC
Operation type ■ Z: Latching / No letter means momentary
Wiring type Wiring patch(2×0.5mm)
Color △ R G Y B W
Voltage ▲ 6V / 12V / 24V / 110V / 220V
Housing Material ◎ C: Brass chrome plating /
S: Stainless steel / A: Aluminium alloy (Black)
Protection class IP40(IP65 can be customized), IK08
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MR-GQ16-KH-11D MR-GQ16-KH-11E

16 MM METAL PUSH BUTTON			Micro-Ray	
MR-GQ16-K SERIES				
PART NO	MR-GQ16-K			
DWG NO	MR-GQ16-K		SHEET 3 OF 3	REV A
UNITS: mm		SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22