

Micro-Ray

**NOTES:**

PART NUMBER ( X = SELECT FROM THE OPTIONS BELOW )

PANEL CUT-OUT: 12.1 mm DIA

BUTTON COVER: R RED, G GREEN, Y YELLOW, B BLUE, W WHITE

PROTECTION: IP65, IP67 (SUFFIX FP), IK08

UNLESS STATED, DIMENSIONS ARE IN MILLIMETRES.

**MECHANICAL**

CONTACT STRUCTURE: 1NO, MOMENTARY

MECHANICAL LIFE: 1,000,000 CYCLES MIN

ELECTRICAL LIFE: 50,000 CYCLES MIN

OPERATING FORCE: 3.5 N APPROX

OPERATING TRAVEL: 2 mm APPROX

NUT TORQUE: 0.3 Nm APPROX

**ELECTRICAL**

RATED INSULATION VOLTAGE  $U_i$ : 125 V

RATED VOLTAGE  $U_e$ : 125 V

CONVENTIONAL HEATING CURRENT  $I_{th}$ : 3 A

AC-15 SOLENOID LOAD: 0.5 A

IMPULSE WITHSTAND  $U_{imp}$ : 1.5 kV

CONTACT RESISTANCE: 50 mOHM MAX, INITIAL

INSULATION RESISTANCE: 1000 MOHM MIN AT 500 VDC

WITHSTAND VOLTAGE: 1000 V AC 50 Hz, 1 MINUTE

CONTACT MATERIAL: SILVER ALLOY

**ENVIRONMENT**

OPERATING TEMPERATURE: -25 C TO +55 C, NO ICING

OPERATING HUMIDITY: 45 % TO 85 % RH, NON-CONDENSING

VIBRATION: 5 Hz TO 50 Hz, AMPLITUDE 1.2 mm

SOLDER HEAT RESISTANCE: 320 C FOR 3 s

|                                                                                       |                     |                               |                                          |                                |                                         |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------|-------------------------------|------------------------------------------|--------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------|
| X                                                                                     | ± 0.35              | 12 mm ANTI-VANDAL PUSH BUTTON | HIGH DOMED HEAD, PIN TERMINAL 2 x 0.5 mm | BLACK ANODISED ALUMINIUM ALLOY | PART NO:<br><b>MR-GQ12G-10-J-X-AL-X</b> |  |
| .X                                                                                    | ± 0.30              |                               |                                          |                                |                                         |                                                                                       |
| .XX                                                                                   | ± 0.25              |                               |                                          |                                |                                         |                                                                                       |
| .XXX                                                                                  | ±                   |                               |                                          |                                |                                         |                                                                                       |
| X°                                                                                    | ± 2°                |                               |                                          |                                |                                         |                                                                                       |
| .X°                                                                                   | ± 1.5°              |                               |                                          |                                |                                         |                                                                                       |
|  | UNITS:<br><b>mm</b> | SCALE:<br><b>NONE</b>         | DWG NO:<br><b>C-GQ12G-10-J-AL</b>        | SHEET:<br><b>1 OF 1</b>        | REV:<br><b>A</b>                        |                                                                                       |