Safety Considerations

- Observe all 'Safety Considerations' for safe and proper operation to avoid hazards.
- ⚠ symbol indicates caution due to special circumstances in which hazards may occur.

⚠ Warning Failure to follow instructions may result in serious injury or death.

01. **Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss. (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime / disaster prevention devices, etc.)**
    Failure to follow this instruction may result in personal injury, economic loss or fire.
02. **Do not use or store the unit in the place where flammable / explosive / corrosive gas, high humidity, direct sunlight, radiant heat, vibration, impact, or salinity may be present.**
    Failure to follow this instruction may result in explosion or fire.
03. **Install on a device panel to use.**
    Failure to follow this instruction may result in fire or electric shock.
04. **Do not connect, repair, or inspect the unit while connected to a power source.**
    Failure to follow this instruction may result in fire or electric shock.
05. **Do not disassemble or modify the unit.**
    Failure to follow this instruction may result in fire or electric shock.

⚠ Caution Failure to follow instructions may result in injury or product damage.

01. **This unit shall not be used outdoors.**
    Failure to follow this instruction may result in shortening the life cycle of the product or electric shock.
02. **Use the unit within the rated specifications.**
    Failure to follow this instruction may result in fire or product damage.
03. **Do not use the load beyond rated switching capacity contact.**
    Failure to follow this instruction may result in fire, relay broken, contact melt, insulation failure or contact failure.
04. **For wiring the product, do not pull the wiring excessively or apply excessive force.**
    Failure to follow this instruction may result in product damage or malfunction.
05. **Use dry cloth to clean the unit, and do not use water or organic solvent.**
    Failure to follow this instruction may result in fire or electric shock.
06. **Keep the product away from metal chip, dust, and wire residue which from flowing into the unit.**
    Failure to follow this instruction may result in fire or product damage.



□ 30 mm
Pilot Lights

LQ3RF Series

PRODUCT MANUAL

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.
The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Specifications

Series	LQ3RF Series
Installation	Flush
Shock	300 m/s^2 (≈ 30 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s^2 (≈ 10 G) in each X, Y, Z direction for 3 times
Vibration	1.5 mm double amplitude at frequency of 10 to 55 Hz in each X, Y, Z direction for 2 hours
Vibration (malfunction)	1.5 mm double amplitude at frequency of 10 to 55Hz in each X, Y, Z direction for 10 minutes
Ambient temperature	-15 to 55 °C, storage : -25 to 65 °C (no freezing or condensation)
Ambient humidity	35 to 85 %RH, storage : 35 to 85 %RH (no freezing or condensation)
Protection structure	Light unit: IP52 (IEC standard)
Certification 01)	
Light unit weight	≈ 22 g
Housing weight	≈ 7 g

01) Certifications may differ depending on the model. Check the Autonics website for specific certification information.

LED blocks	
Rated voltage	AC/DC voltage type: 12-24 VAC⎓ 50/60 Hz, 12-24 VDC⎓ AC voltage type: 110-220 VAC⎓ 50/60 Hz
Current consumption	≤ 20 mA
Certification 01)	
Weight	AC/DC voltage type: ≈ 11 g, AC voltage type: ≈ 12 g

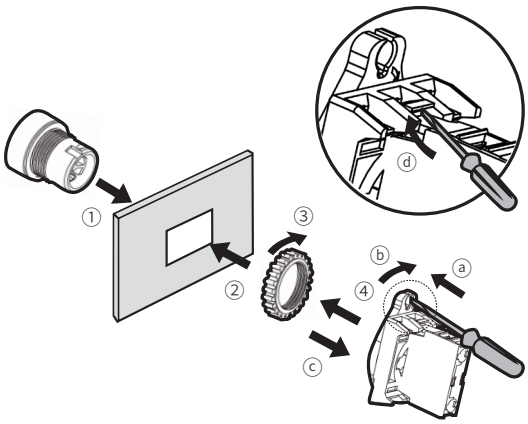
01) Certifications may differ depending on the model. Check the Autonics website for specific certification information.

Sold Separately

- LED blocks (SA-L□□□)
- Locking handle (SA-LH)

Assembly / Disassembly

- Assembly order: ①→②→③→④
- Disassembly order: ⓐ→ⓑ→ⓒ→ⓓ



Control Switches	Panel thickness	Tightening torque
Ø 22/25/30 mm	Max. 6 mm	≤ 1.47 N·m

Ordering Information

This is only for reference. For selecting the specified model, follow the Autonics website.
Model is based on light unit+block combination. Light units or blocks are sold separately. In case of block, refer to control switch accessories.

LQ3	❶	❷	-	❸	❹	❺	❻
	Light unit					Block	

❶ Switch type
RF: Square pilot light (flush)

❷ Character marking
No mark: Lamp (light unit + singular type block)
No mark: None (light unit + modular type block)
U: None (light unit) 01)

❸ Appearance
L4: Flat square

❹ Color
R: Red
B: Blue
G: Green
Y: Yellow
W: White

❺ LED block
D: 1 AC/DC voltage type
L: 1 AC voltage type

❻ Block type
No mark: Singular type
M: Modular type

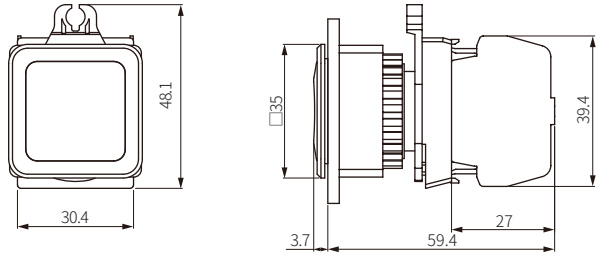
01) Only available for light unit. Select the block separately.

Model	Contact block		LED block	
	A contact	B contact	AC/DC voltage	AC voltage
LQ3RF-L4□D(M)	-	-	1	-
LQ3RF-L4□L(M)			-	1

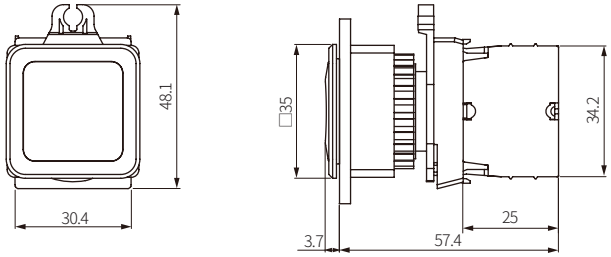
Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Panel thickness: ≤ 6 mm

■ LQ3RF-L4□ (singular type block)



■ LQ3RF-L4□M (modular type block)



■ Panel cut-out

