

**en** Installation instructions Front-of-Panel Operators

**de** Montageanweisung  
**fr** Notice de montage  
**it** Istruzioni di montaggio  
**zh** 安装说明书  
**es** Instrucciones de montaje  
**ru** Инструкция по монтажу  
**pt** Instruções de instalação  
**ko** 설치 매뉴얼



At the end of its life, this equipment should be collected separately from any unsorted municipal waste.



**ATTENTION:** To help prevent electrical shock, disconnect from power source before installing or servicing. Follow NFPA 70E requirements. Install in suitable enclosure. Keep free from contaminants.

Only suitably trained personnel can install, adjust, commission, use, assemble, disassemble, and maintain the product in accordance with applicable code of practice. If a malfunction or damage occurs, do not attempt to repair the product.

**IMPORTANT**

When working in hazardous areas, the safety of personnel and equipment depends on compliance with the relevant safety regulations. The people in charge of installation and maintenance bear a special responsibility. They must be knowledgeable of the applicable rules and regulations.












These instructions provide a summary of the most important installation measures. Everyone working with the product must read these instructions so that they are familiar with the correct handling of the product.

Keep these instructions for future reference as they must be available throughout the expected life of the product.

**Product Description**

There are many variations and configurations available for front-of-panel operators. Momentary push buttons, selector switches, push-pull devices, and pilot lights are available for a wide range of industrial applications. Operators are available as individual components, compatible with Bulletin 800G base mount and panel mount contact blocks, power modules, and power module with contact block combination units.

Front-of-panel operators can be used with an assortment of accessories including legend plates, locking covers, locking guards and engraved color cap inserts.

	Cat. No.	Description	Back of Panel Compatibility
	800G-F-EX	Flush push button	Contact block
	800G-U2FX-EX 800G-V2FX-EX	Double push button	Contact block
	800G-M2-EX	Momentary mushroom	Contact block
	800G-MPE-EX	Push-pull mushroom	Contact block
	800G-MKE-EX	Key-release mushroom	Contact block
	800G-Kx-EX	Key-release push button	Contact block
	800G-Sx-EX	Knob selector switch	Contact block
	800G-KSx-EX	Key-operated selector switch	Contact block
	800G-Px-EX	Pilot light (illuminated)	Power Module
	800G-LFx-EX	Illuminated push button (flush)	Power module with contact block
	800G-N2-EX	Hole plug	-

## Assemble, Install, and Commission



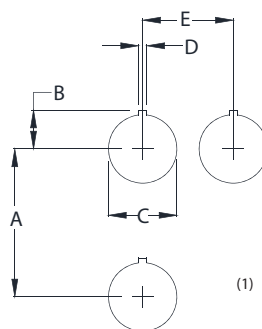
**ATTENTION:** Risk of serious injury due to incorrect assembly, installation and commissioning.

- Only qualified personnel are allowed to assemble, disassemble, install, and commission the device.
- Protect devices against mechanical damage or electrostatic discharge.
- Only use recommended tools for installation. Do not modify the front-of-panel operators in any way.

## Assemble and Disassemble

To prepare the enclosure for installation, consider the following:

- Verify that all components are intact (no cracks).
- Installation of operators permissible in enclosures with wall thickness between 1...6 mm (0.039...0.236 in.).
- Installation of operators permissible in enclosures with M30x1.5 threading or a through-hole of 30.3+0.3 mm.
- Reference the following mounting hole layout for a 30.3+0.3 mm diameter through-hole with cut-out for anti-rotation of the operator.

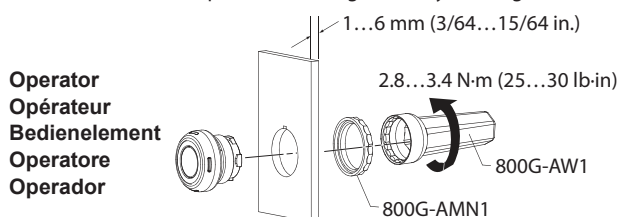


	[mm (in.)]
A <sup>(1)</sup>	70 (2.75)
B	16.5 (0.65)
C	∅30 (∅1.181)
D	3 (0.118)
E <sup>(1)</sup>	40 (1.578)

(1) Recommended spacing for mushroom push button, emergency stop, and dual push button devices: 100 mm (3.9 in.). Horizontal (E); Vertical (A)

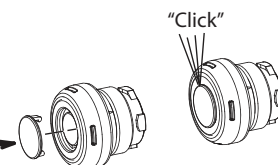
## Installation

Proceed with installation per the following assembly drawings.



- Color insert is compatible with flush push button (catalog number 800G-F-EX) and double push button (catalog number s 800G-U2FX-EX, 800G-V2FX-EX) operators.

**Color Insert**  
**Inserer des Couleurs**  
**Farbige Druckplatte**  
**Inserire di Colore**  
**Insertar de Colores**



## Front-of-Panel Operators

### Certifications

ATEX	CML 14ATEX3033U
IECEX	IECEX CM L 14.0014U
UKEx	CML 21 UKEX 31391U
CCC	2020322313001867
INMETRO	UL-BR 14.0834U
Gas Protection Type	II 2 G Ex eb IIC Gb
Dust Protection Type	II 2 D Ex tb IIIC Db
Ambient Temperature Range	-55...+70 °C (-67...+158 °F)

### Mechanical Ratings

Materials	Thermoplastic housing, silicone seals
Ingress Protection (Operator and Module, Assembled Station)	IP64/IP66
Ingress Protection (Operator, Module, and Cat. No. 800G-APMC)	IP67

## Safety Instructions

Improper installation can cause malfunctioning and the loss of explosion protection.

All front-of-panel operators can only be used within the specified ambient temperature range (depending on the hazardous area classification).

Use in areas other than those areas specified or the modification of the product by anyone other than the manufacturer is not permitted and exempts Rockwell Automation from liability for defects and any further liability.

The applicable statutory rules and other binding directives that relate to workplace safety, accident prevention, and environmental protection must be observed.

Before you commission or restart operation, check compliance with all applicable laws and directives.

All front -of-panel operators can be used only if they are in a clean and undamaged condition. Do not modify these operators in any way.

## Special Conditions for Safe Use

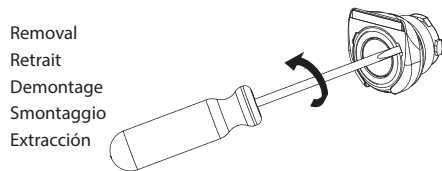
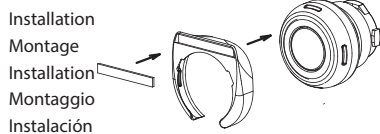
When 800G operators are installed in electrical equipment, care must be taken to confirm that the temperature at the mounting place is within the ambient temperature range: -55...+70 °C (-67...+158 °F).

## Harmonized/Designated Standards Conformed To

- EN 60079-0
- EN 60079-7
- EN 60079-31
- IEC 60079-0
- IEC 60079-7
- IEC 60079-31

- Legend plate frame is not compatible with mushroom (catalog numbers 800G-MPEX-EX, 800G-MKE-EX, 800G-M2-EX) operators.

Legend  
Légende  
Beschriftungsschild  
Legenda  
Leyenda



## Maintenance



**ATTENTION:** Risk of serious injury due to incorrect maintenance.

- Only qualified personnel are allowed to do any maintenance and fault clearance.
- IEC/EN 60079-17 must be observed.

You must keep all front-of-panel operators in good condition, operate them properly, monitor them, and clean them regularly.

The front-of-panel operators, seals, and glands must be checked for cracks, damage, or physical defects regularly.

**IMPORTANT** You can clean front-of-panel operators with compressed air.

## Repair and Replacement



**ATTENTION:** Defective front-of-panel operators cannot be repaired; they must be replaced.

- Front-of-panel devices are defective if any of the following apply:
  - They no longer actuate the attached back-of-panel components
  - The lens is damaged on illuminated operators
  - The integrity of the device or sealing is compromised.
- Devices must be replaced with an equivalent catalog number from the manufacturer.

## Accessories and Replacement Parts

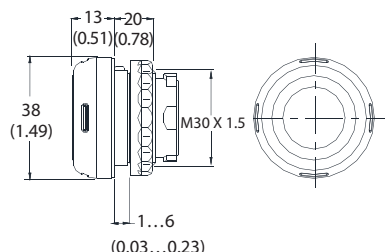
For more accessories and replacement parts that Rockwell Automation offers, see <https://ab.rockwellautomation.com/Push-Buttons/Hazardous-Location/800G>.

## Disposal

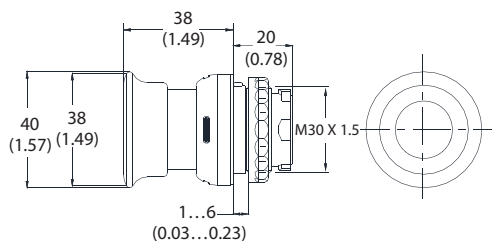
At the end of its life, this equipment must be collected separately from any unsorted municipal waste. Follow all local and national requirements for disposal of this product.

## Approximate Dimensions

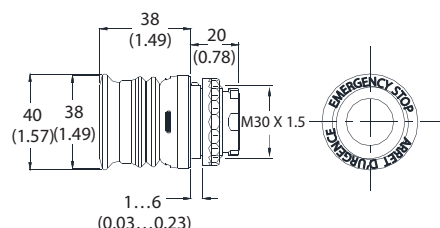
Dimensions are shown in millimeters (inches).



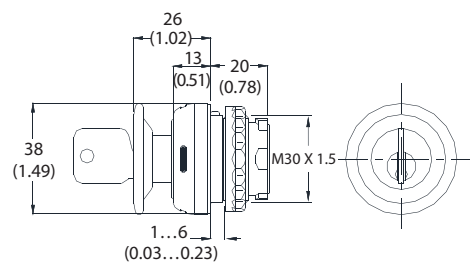
Flush Push Button (Cat. No. 800G-F-EX), Illuminated Push Button (Cat. No. 800G-LFx-EX)



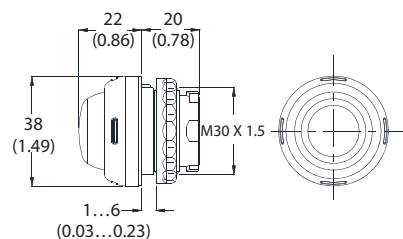
Momentary Mushroom (Cat. No. 800G-M2-EX)



Push-Pull Mushroom (Cat. No. 800G-MPE-EX)



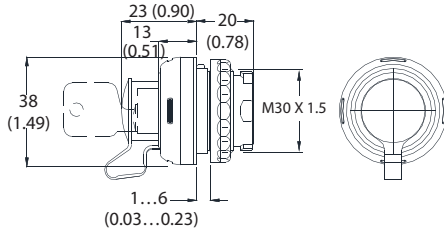
Key Release Mushroom (Cat. No. 800G-MKE-EX)



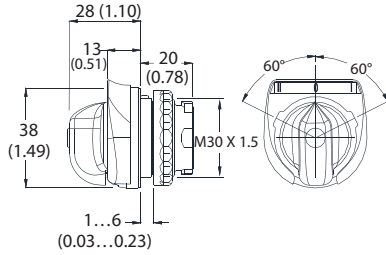
Pilot Light (Cat. No. 800G-Px-EX)

## Approximate Dimensions, Continued

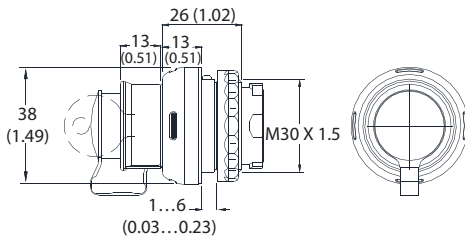
Dimensions are shown in millimeters (inches).



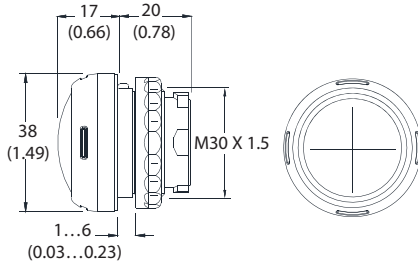
Key Release Push Button (Cat. No. 800G-Kx-EX)



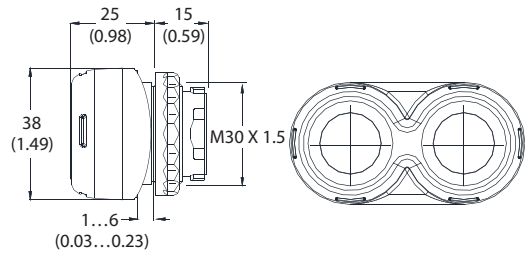
Knob Selector Switch (Cat. No. 800G-Sx-EX)



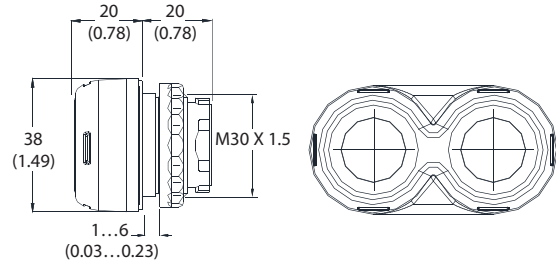
Key Operated Selector Switch (Cat. No. 800G-KSx-EX)



Hole Plug (Cat. No. 800G-N2-EX)



Double Push Button — Curved Base (Cat. No. 800G-U2FX-EX)



Double Push Button — Flat Base (Cat. No. 800G-V2FX-EX)





## Declaration of Conformity

Rockwell Automation, Inc. declares that the 800G-xxxx-EX Series A operators (control and signaling device adapters) are in compliance with Essential Health and Safety Requirements of Directive 2014/34/EU (ATEX) and Directive UKSI 2016:1107 (as amended) as follows:

- Equipment Group II, Equipment Category 2
- Type of Protection "Ex eb IIC Gb/Ex tb IIIC Db"
- Compliance to standards EN 60079-0:2018, EN 60079-1:2014, and EN 60079-7:2015+A1:2018 per ATEX Type Examination Certificates CML 14ATEX3033U and UKEx Type Examination Certificate CML 21UKEX31391U

The full text of the EU declaration of conformity is available at the following website:

<http://www.rockwellautomation.com/global/certification>

Connect with us.    

For Technical Support, visit [rok.auto/support](http://rok.auto/support).

Rockwell Automation maintains current product environmental compliance information on its website at [rok.auto/pec](http://rok.auto/pec).

Product certificates are located in the Rockwell Automation Literature Library: [rok.auto/certifications](http://rok.auto/certifications).

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EEE Yönetmeliğine Uygundur

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Publication 800G-IN004C-EN-P - May 2022

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DIR 10001392681 (Version 03)