

Industrial-grade control and signaling

With a combination of advanced design and enhanced functionality, the M22 line of 22 mm IEC pushbuttons is perfect for a wide variety of global machine control applications. M22 is ideal for OEMs, end users and system integrators who value front panel aesthetics, maximum flexibility and high-quality construction.



Features

- Heavy-duty, 22 mm pilot device line
- Aesthetic design increases perceived machine value
- Broad combination of operator styles
- Common back-of-panel components
- Anti-rotation tab and central nut mount for easy installation
- Conversion between momentary and maintained functionality is easily done in the field
- High environmental ratings to IP69K for use in high pressure, high temperature washdown applications
- Secure connections for both standard and high vibration environments
- Communication connectivity offered via USB or RJ45 interfaces
- Available in silver, black or chrome metal bezel

Aesthetic design

The attractive and ergonomic design of M22 pilot devices lends itself to both practical application and appeal. The operators are shaped to fit the curve of the hand and their distinctive design adds a high perceived value to the equipment on which they are mounted.

Durable and safe

When safety is a high priority, bright, clear color indication saves lengthy explanations and enhances machine safety. All M22 illuminated devices feature LED bulbs rated to 100,000 hours of continuous operation (equal to 11.5 years). They are vibration-proof and come in five different colors that match the colors of the M22 lenses. Matching the LED bulb color to the lens reinforces the button's color saturation and helps prevent interference from other light sources.

New metal bezel pushbutton

The M22 line now offers pilot devices with a metal bezel option. The new M22M pushbutton has an elegant chrome metal bezel that is attractive, durable and rugged for heavy-duty environments.

Powering Business Worldwide

The new M22M
metal bezel pushbutton





Eaton has expanded its flagship line of M22 pilot devices with a metal bezel option



The new M22M maintains a low profile to keep panels compact and adds an elegant high polish chrome finish to front-of-panel components. M22M models are available in a wide range of pushbutton styles with flush, extended and mushroom buttons, potentiometers, joysticks and selector switches.



Features and benefits

- Heavy-duty metal bezel construction
- Durable and corrosion-resistant devices
- High compression operators that increase tactile feel during actuation
- Modular and configurable design that complements components within the M22 line
- SmartWire-DT™ connectivity options



For more information, visit:

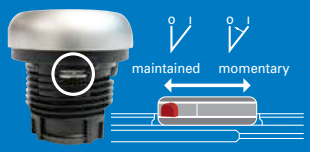
www.eaton.com/m22

Front panel aesthetics, maximum flexibility and high-quality construction

Highly flexible

Pushbuttons and selector switches are designed with a simple slide lever that allows for field conversion from maintained to momentary or vice versa. A simple lever or coding adapter can change the status of your device, giving you more flexibility in the field and less inventory costs at the warehouse.

Visit www.eaton.com/M22 for easy-to-follow video tutorials on this innovative feature.



Convenient and secure installation

The entire line mounts in a standard 22 mm notched hole, which is the best assurance against rotation during installation and long-term use. The anti-rotation tab and central nut mounting on each operator facilitates installation, even when the front and back of the panel are not accessible simultaneously.



Standard Pushbuttons

Flush
- Momentary (dedicated)
- Maintained or momentary (field convertible)
- Illuminated and non-illuminated



Flush with Guard Ring
- Momentary (dedicated)
- Maintained or momentary (field convertible)
- Illuminated and non-illuminated



Extended
- Momentary (dedicated)
- Maintained or momentary (field convertible)
- Illuminated and non-illuminated



Selector Switches

Thumb Grip
- Illuminated and non-illuminated
- Two-, three- and four-position
- Maintained or momentary (field convertible)



Keyed
- Two- and three-position
- Maintained or momentary (field convertible)



Rotary
- Two-, three- and four-position
- Maintained or momentary (field convertible)



Indicators

Light—Illuminated
- Standard or conical lens, LED



Acoustic
- Continuous or pulsed tone option



HIGHEST ENVIRONMENTAL RATINGS

All front elements are rated to a minimum IP66 environmental rating, protecting against high seas, sprayed water, oil and dirt. Many standard operators have more stringent IP67 and IP69K ratings, protecting from submersion and high-pressure/high-temperature washdown environments.

IP69K ENVIRONMENTAL rating

Extensive range for many applications

In addition to a wide array of standard operators, the M22 has special buttons for special applications. Multi-button operators, joysticks, potentiometers and alarm modules are part of this comprehensive line. The Eaton M22 series even includes USB and RJ45 connections for communication directly from a panel.



Foot and Palm Switches

These oversized operators measure almost 4 inches across and are perfectly suited for applications requiring repetitive or non-traditional methods of human interface such as the knee or the foot. They are also ideal for commercial applications such as handicapped entrances.



Mushroom Head Actuators

- Momentary (dedicated)
- Maintained or momentary (field convertible)
- Non-illuminated

Potentiometer

- Oversized knob available



Multi-Button Non-Illuminated

- Momentary



Multi-Button

- Momentary
- Illuminated and non-illuminated



Joystick Operator

- Two- and four-way
- Maintained
- Momentary



Extended Reset Actuator

- Flush or extended
- Momentary



Bulkhead Interface

- For USB and RJ45 connections



Broad selection of Emergency Stops

The M22 line includes **35 mm, 45 mm** and **60 mm** Emergency Stop buttons with internationally accepted 'twist-to-release' functionality. All are available in both keyed and non-keyed versions; illuminated and non-illuminated. A unique lighting ring is available for very high visibility applications where rapid and sure emergency stop activation is critical.

Non-Illuminated



Illuminated



Mechanical Indication



Keyed





E-Stop with Miniature Enclosure

Connect an E-Stop actuator to the body of our Limit Switch for a miniature, corrosion-resistant enclosure. The unit is rated to IP66 and serves the same duty as a standard E-Stop enclosure, but without the larger size.

Lighted LED Ring



Self-Monitoring Contact Blocks

Dual contact block configuration that monitors both the actuation of the operator and the connectivity of the contact block to the operator.



Designed for SmartWire-DT

The M22 line is designed to work with the new Eaton SmartWire-DT panel wiring system, which significantly reduces the time it takes to wire and commission complex control panels. The addition of a simple crimp-on connector module to each pilot device makes M22 an integral part of the panel control scheme.



Wide variety of accessories

The M22 line also has a broad and useful range of accessories including various enclosures rated as high as IP69K. A large array of legend plates is also available for quick identification of function. Master lamp test contact blocks, various diaphragms, shrouds and plugs add even more functionality to this complete line.

Plugs, Diaphragms and Shrouds



Telescopic Clips



E-Stop Guard Rings



Contact Blocks



Mounting Ring Tool



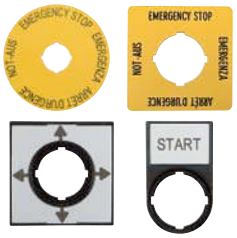
Blanking Plugs



Enclosures



Legend Plates



Contact Block Dust Covers



Adapter Ring for 30 mm Holes



LED Resistor and Test Elements



DIN Rail Mounting Adapter



Conduit Nut (Cable Guard)



Three bezel options designed to suit your aesthetic requirements

M22 series of pushbuttons are available in attractive nylon black or silver and chrome metal bezel. With three bezel options to pick from, M22 pilot devices offer flexibility in enhancing aesthetics in front-of-panel components.





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