

**RMQ**  
Pilot Devices

# THE NEW, COMPACT RMQ RANGE



Simple. Reliable. Compact.

**EATON**

*Powering Business Worldwide*

# PROVEN & VERSATILE THE RMQ FAMILY

With their versatility, reliability, and functionality, RMQ-Titan® devices have proven to be an ideal choice for the machine and panel building industries for years now, and as a result have become synonymous with quality pilot devices.

## Modular system

Whether for operating panels, pendants, or control panels – the RMQ-Titan® range of products is always being updated in line with the latest requirements so that Eaton can always offer convenient and safe solutions for every application. We can configure the devices for your machines and environments according to your specific requirements, ensuring that you will get the functions and designs that you truly need.

## Long-lasting lighting

The RMQ-Titan® pilot devices emit light non-stop for over 100 000 hours. In addition,

special lenses and color LEDs ensure that your application will always remain safe.

## Safety controlled stop buttons

Eaton's world-renowned controlled stop buttons guarantee the functional safety of machines and systems.

## Heavy-duty foot and palm switches

FAK foot and palm switches feature extra-large operators and are guaranteed to be tamper-proof according to international standards. They can be actuated with your palm, closed fist, elbows, or feet even if you are wearing work gloves. Moreover, their

excellent shock resistance and outstanding IP67 and IP69K degrees of protection make FAK devices the ideal choice for applications in tough environments.

## The new, compact RMQ range

Eaton invests continuously in research and development, which is one of the reasons why the company has become a well-established market leader in the field of pilot devices. Accordingly, the RMQ range has now been expanded with a comprehensive range of compact devices for use directly on machines.





The RMO-Titan® range is not just convenient, safe, and ergonomic. It also has the right solution for every application.

# COMPACT & SAFE A TRUE ALL-IN-ONE SOLUTION

Completely ready to go: The new devices in the RMO range have their cables, plug connector, and housing already integrated and permanently installed. This is not just tremendously convenient, but also ensures that the devices are fully protected against dust and liquids.

## Turnkey solutions so that you can start working right away


With the new RMO range, controls are not just limited to control panels, but can also be installed directly where machines are. In addition, the range now features controls with a modern, slim design and a large mounting diameter in addition to the traditional design options for which the product line is known.

Using compact devices ensures that you will only need one single article no., making it much easier to select and order the units you want and helping simplify stockkeeping and installation. The result: more time and money for the things you need to do.

## High degree of protection: front and back

The new complete devices feature special sealing against dust, liquids, and fine foreign particles thanks to a high degree of protection of up to IP64 on the back. This makes the devices perfect for direct installation in applications such as woodworking machines and similar machine tools. Moreover, a high degree of protection in the front (IP69K) means that the units' pushbuttons can be easily cleaned and maintained.





All-Inclusive: Safety, Efficiency,  
Ergonomic Design.

### Easy installation, reliable operation

- A variety of connection options: conventional screw connections, pre-configured cable connections with M8 or M12 plugs, cables with open ends
- The pre-configured M8 and M12 plugs can be used to connect directly to field buses such as AS-i or to the SmartWire-DT connection system
- Custom connector pin assignments
- Cable terminations and cable lengths can be freely selected
- Plug & play installation
- Simple online configuration
- Can be quickly and safely installed on machines
- Immediately ready for operation
- Reliable operation

**NEW**  
Compact RMOs

# ERGONOMIC & CUSTOM-TAILORED UNPARALLELED DESIGN

Whether with the classic look or with a new slim design – with units that are custom-tailored to your specific needs and operations, Eaton has the right RMQ pilot devices for every application.

## **You define the form and function.**

Pilot devices play an important role in the functions and designs behind your machines, systems, control panels, and operating panels. This is why we will discuss all application aesthetics and functions with you and configure the right designs for them.

## **A perfect combination: modern design and extraordinary functionality**

Eaton's industrial designs are characterized by appealing looks and a remarkable ease of use. Accordingly, the RMQ family is known for its ergonomic design, which features concave pushbutton elements that adapt perfectly to your fingertips.





Modern and ergonomic industrial design.



#### Operators

- Flat
- Standard RMQ-Titan height
- Extra-tall profile

#### Bezels

- Silver
- Insulated material black
- High-gloss metal
- Stainless steel
- Gold

#### Button plate colors

- Red
- Green
- Blue
- Yellow
- Black
- White

#### Mounting diameter

- 22-mm and 30-mm program

#### Laser inscription

- Customized texts, symbols, special characters, formulas, and forms
- A laser inscription can be quickly and easily applied to all button plates, indicator lights, and additional button plates in order to add your company-specific or machine-specific labels and symbols
- Unlike with printing, the information is engraved, ensuring that it will be permanently legible and wear-resistant

# RESISTANT & DURABLE ALL-AROUND PROTECTION

Dust, dirt, and splash water are an unavoidable part of work in tough industrial environments. This is why the RMQ range has a high degree of protection in the front and back, making it highly resistant to particles, liquids, and cleaning agents.

## High machine availability

Less soiling means less susceptibility to failure, less corrosion, and fewer malfunctions. Accordingly, the extraordinary protection and rugged design behind compact RMQ range ensure that your machines' functional capability and service life will see a significant improvement. On top of this, an IP69K degree of protection ensures that front elements such as pushbuttons, illuminated pushbutton actuators, indicator lights, and controlled stop buttons can all be cleaned with pressure washers and steam jet devices.

## 100% hygienic and sealed

Thanks to the dependable engineering behind it, the compact RMQ range has also proven its worth in sensitive areas where leak tightness and hygiene are a must.





Direct use in machines in tough industrial environments  
without the need for additional enclosures

IP69K  
Front

### Controlled stop buttons with a large variety of options

- Mushroom actuator
- Palm switch
- With and without a key
- Turn-release and pull-release
- Diameter of 38, 45 or 60 mm
- Illuminated/non-illuminated
- Standard-LED
- Luminous safety ring
- Emergency-Stop labels



# CONNECT, DON'T WIRE! THE COMMUNICATION

SmartWire-DT® enables industrial switchgear to communicate and significantly reduces the amount of wiring involved in design, commissioning, and expansions.

## **SmartWire-DT® – simply ingenious**

The RMQ family can not only be used with standard wiring, but can also be easily integrated into automation architectures via standard bus systems. In fact, with its reliability and efficiency, SmartWire-DT is the perfect solution for complex applications involving a large number of pilot devices.

With the touch of a button, the green ribbon cable connects pilot devices to modules inside and outside

control panels, all the way to the corresponding bus termination resistor. Independently of the selected bus system of the higher-level control, up to 99 devices can be interconnected with the new SmartWire-DT line up to a maximum overall total length of 600 m. The SmartWire-DT connection also serves to minimize the sources of error that are common in conventional wiring.

Integrated M12 and M8 plugs can be used to connect the complete devices directly to field buses such as AS-i or to the SmartWire-DT connection system.

## **SmartWire-DT®: safe and efficient**

- Saves time and cuts costs
- Distributed intelligent connections
- Enhanced diagnostics
- Fewer sources of error
- Increased flexibility in modular machine designs
- Easy integration into automation architectures
- SmartWire-DT I/O modules with a high degree of protection of IP67



Connection to AS-i via standard I/O boxes



With the integrated M12 plug the complete device can be connected directly to SmartWire-DT

Eaton is dedicated to ensuring that reliable, efficient and safe power supply is available when it's needed most. With unparalleled knowledge of electrical power management across industries, experts at Eaton deliver customized, integrated solutions to solve our customers' most critical challenges.

Our focus is on delivering the right solution for the application. But, decision makers demand more than just innovative products. They turn to Eaton for an unwavering commitment to personal support that makes customer success a top priority. For more information, visit [www.eaton.eu](http://www.eaton.eu)

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**Eaton Industries GmbH**

Hein-Moeller-Str. 7-11  
D-53115 Bonn

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