THE
COMPACT
RMQ RANGE

Simple. Reliable. Compact.

E:T•N
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 IP69 degrees of protection make FAK devices the ideal choice for applications in tough environments.

The 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 been expanded with a comprehensive range of compact devices for use directly on machines.

Rapid detection of machine states, thanks to the many different color options of the multicolor light indicator

The MCI multicolor light indicator is able to display a large variety of colors. The devices enables the visualization of different machine states using up to 5 colors and 2 different flash settings. Where several devices were previously required, a single multicolor LED element can now display all the required signals.

RMQ
The Family

The RMQ-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 devices in the RMQ 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 RMQ compact solution range, controls are not just limited to control panels, but can also be installed directly where machines are. In addition, the range 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 complete devices feature special sealing against dust, liquids, and fine foreign particles thanks to a high degree of protection of up to IP65 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 (IP67,IP69) 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: pre-configured cable connections with M12 plugs and cables with open ends
- The pre-configured M12 plugs can be used to connect directly to field buses such as AS-i or to the SmartWire-DT connection system
- Different cable lengths
- Plug & play installation
- Can be quickly and safely installed on machines
- Immediately ready for operation
- Reliable operation

RMQ
compact solution

ERGONOMIC & CUSTOM-TAILORED
UNPARALLELED DESIGN

Whether with the classic look or with a 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.

RMQ
Flat Design

Modern and ergonomic industrial design.

Operators

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

Bezels

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

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 RMQ compact solution range range ensure that your machines' functional capability and service life will see a significant improvement. On top of this, an IP69 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 RMQ compact solution range has also proven its worth in sensitive areas where leak tightness and hygiene are a must.

IP65
Back

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

IP69
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 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 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's electrical business is a global leader with deep regional application expertise in power distribution and circuit protection; power quality, back-up power and energy storage; control and automation; life safety and security; structural solutions; and harsh and hazardous environment solutions. Through end-to-end services, channels and an integrated digital platform and insights Eaton is powering what matters across industries and around the world, helping customers solve their most critical electrical power management challenges.

Eaton's mission is to improve the quality of life and the environment through the use of power management technologies and services. We provide energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. For more information, visit Eaton.com.

COUNTLESS COMBINATIONS.
EASY TO CONFIGURE.

Easy to select,configure, and order. The new online tool provides a quick overview of all the pilot devices in the RMQ-Titan series and the numerous combination options available.With its intuitive user interface, the Configurator is the perfect way to find out what the right solutions for your specific needs are.

To use the Eaton Pushbutton Configurator,
visit: **www.eaton.eu/config/RMQ**

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