RMQ-Titan™
Contact Elements on PCB

Markets served
Machine building

Embrace the power of incremental change



EATON
Powering Business Worldwide

The RMQ-Titan™ contact element for PCB makes electronic component installations more efficient, cost-effective, and reduces the risk of errors. Its streamlined installation process enables the optimal allocation of highly skilled technicians to higher-value tasks. Reap the cascading benefits of the RMQ-Titan™ and transform your electronic components installations today.

Time saving

Cables often contribute to installation failures, leading to costly downtime and prolonged maintenance efforts. Our RMQ-Titan contact elements on PCB are designed to ensure seamless installation, reducing failure rates and saving valuable time.

Streamline your inventory management

By delegating PCB mounting tasks to specialised PCBA (Printed Circuit Board Assembly) providers, manufacturers can streamline their supply chain operations, optimise inventory management, and mitigate the risks associated with production delays.

Reduced assembly complexity

Our solution offers fewer components, coupled with enhanced mounting capabilities. This streamlined design simplifies the assembly process, accelerates installation timelines, and reduces complexity. As a result, it minimises the likelihood of errors during installation and facilitates more efficient troubleshooting in the event of issues.



Optimize workforce allocation

Once the contact element is integrated onto the PCB, its implementation within applications demands minimal technical expertise. This allows less experienced personnel to execute installations effectively, empowering organisations to allocate their specialised technicians to high-value tasks that support strategic priorities.

Products highlights

Contact elements

Reliable soldering process

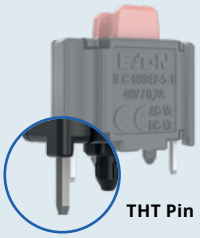
The coated THT tin pins facilitates a smooth and even soldering process, ensuring secure electrical connections and reducing the risk of cold solder joints. This results in a reliable assembly process and increases the overall durability of the component.



Optimised design for industrial soldering

The contact elements feature spacers at their base to ensure seamless solder flow while effectively dissipating heat and gases. This design minimises the risk of soldering defects and enhances operational reliability.

The domes are engineered to provide exceptional stability when positioned on a PCB, reducing mechanical stress on the busbars. This prevents undue strain on the electrical contacts, safeguarding against potential contact failure caused by mechanical stress or breakage.



Optimally engineered for seamless PCB placement

The contact elements are optimally engineered for seamless placement on the PCB, minimising the risk of misalignment. Their compact and stable design ensures reliable positioning, while their height is perfectly designed to further reduce the possibility of uneven installation.

Compatible with our RMQ-Titan pushbuttons

The RMQ-Titan product portfolio features a comprehensive selection of pushbuttons, designed to address the diverse requirements of various applications. With a range of functional options and colour variants, this range enables designers to align pushbutton selection with both the aesthetic and operational needs of their products. This flexibility not only supports tailored integration but also contributes to an enhanced end-user experience.

Furthermore, the RMQ-Titan pushbuttons are backed by a reputation for exceptional quality, ensuring reliability and consistency in performance.



Range overview

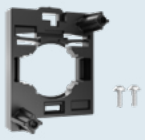
	Part number Article number	Description	Qty
	M22-KP10 EP-401607	Contact element - Normally open	25
	M22-KP10-GVP EP-401608	Contact element - Normally open	100
	M22-KP01 EP-401609	Contact element - Normally closed	25
	M22-KP01-GVP EP-401610	Contact element - Normally closed	100
	M22-XLP EP-401611	Light guide for SMD LED	25
	M22-XLP-GVP EP-401612	Light guide for SMD LED	100
	M22-AP EP-401613	Mounting adapter - 3 slots	25
	M22-AP-GVP EP-401614	Mounting adapter - 3 slots	100
	M22-AP4 EP-401615	Mounting adapter - 4 slots	10

Mounting adapters

Our M22-AP and M22-AP4 mounting adapters are specifically designed to accommodate varying PCB thicknesses, offering many advantages:

Enhanced compatibility

They ensure seamless compatibility with a wide range of PCBs. This adaptability reduces the need for multiple specialized mounting solutions and simplifies the assembly process.



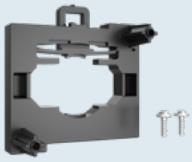
3 slots mounting adapters M22-AP

Superior structural integrity

Our purpose-designed mounting adapters distribute mechanical forces evenly, maintaining the structural integrity of the board while preventing cracks and bending.

Simplified assembly processes

With just two adapter types, installers can quickly master installation, reducing errors and streamlining procedures for a more intuitive workflow.



4 slots mounting adapters M22-AP4

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Founded in 1911, Eaton has continuously evolved to meet the changing and expanding needs of our stakeholders. With revenues of nearly $25 billion in 2024, the company serves customers in more than 160 countries.

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