

Machine Power Connectors

Murrelektronik's waterproof and dustproof MQ15 connectors are ideal for connecting asynchronous and three-phase motors.

Machines, and systems, need power. Reliable, easy to install and safe to operate. Simple solutions for supplying power to machines and systems are in demand. MQ15 connectors from Murrelektronik meet this requirement. The connectors are easy to install thanks to the tool-free quick connection. A ¼-turn is all that is needed for an IP67 rated connection. The innovative quick connect system reduces assembly time for new installations, service, and maintenance by up to 80 percent. Safe assembly is enhanced by the fact that the connector's locking status is marked both visually and haptically. Additionally, an audible "Click" provides acoustic feedback that the MQ15 has been properly installed. The PUR overmold ensures tamper resistance as well as protection against bending and vibration. Additional protection is provided by a locking mechanism and a conduit retainer on the connector.

Broad portfolio for high continuous load

The MQ15 family includes single or double-ended overmolded, pre-assembled connectors with your choice of highly resistant PUR or cost-effective PVC cable as well as receptacles and T-couplers. They are available in 4 and 6-pole versions with wire cross-sections of 1.5mm² and 2.5mm² respectively. The product portfolio is rounded off by the h-distributor with molded cables, which allows power distribution to be flexibly routed at any stubs reducing the number of mating points.

The MQ15 transmits high currents in the smallest space with the best price/performance ratio on the market thanks to the use of high-conductivity plastics and the elimination of metal parts. The 4-pole version has three power contacts + PE, while the 6-pole version offers two signal contacts. The latter makes it easy integrating additional functions like temperature or brake. The current transfer values of up to 16A continuous load at a voltage of 600V AC opens up a wide range of applications. With the MQ15 receptacles, motors can be converted to a pluggable solution in no time at all. This saves time and manpower during both installation and maintenance. The receptacle is simply screwed into an existing M20x1.5 threaded hole in the motor housing - no adapters or special solutions required.

With an IP67 rating when mated, the MQ15 series is also suitable for harsh industrial environments. They are 100% electrically tested and ensure a simple, error-free, plug

and play solution. All models have a single piece MOQ, regardless of design or length. This CE compliant product is also UL listed, so it is ready for worldwide use.



Caption: Murrelektronik's MQ15 water- and dust-tight connectors supply power to machines and systems and are ideal for connecting asynchronous and three-phase motors.

Image: *Murrelektronik GmbH*

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