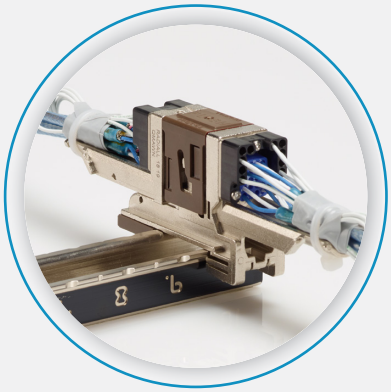
QUICK **MULTIPIN SIZE A**

Ultra-light Connection, Right at Your Fingertips



To meet the growing demand for a quicker, easier wiring architecture and cost-effective integration, Radiall has expanded the QM series to now offer a complementary model of QM size A. The new QMA model combines QM series' premium functions with a wider, larger backshell and a ground block function.

Radiall, a global leader in designing, developing and manufacturing innovative interconnect solutions, has expanded the QM series to now offer a connector size option. The optimized dimension and quick installation features of QM are suited for in-line disconnect applications on commercial airplanes.

Capitalizing on its expertise in QM development and understanding the need of space and weight savings, Radiall designed a smaller version of QM that utilizes the range of inserts A from EPX series. The new QM size A is 10 g lighter than its bigger size, optimizing density and reducing cost of ownership.

One of the key benefits of the connector design is the slide-lock system, which enables easy installation by using fingertips to mate the plug and receptacle shells together in one simple motion. Designed to be mounted on the same rail system as QM size B, the new size of QM maintains its economic and easy integration in the current rail system. Additionally, it can be mounted in less than 12 seconds without any specific tools.

The new size completes Radiall's QM range by providing easy wiring for EWIS applications in order to facilitate maintenance and provide cost savings. Featuring a ground block and a wider, larger backshell, this new solution allows overall braid wiring and full EMI protection as well as single braid wires with direct grounding continuity.

Radiall introduces a cost-effective, tool-less connector that provides instant locking and conductivity and meets today's OEM production rates and reliability needs.

QMA PROVIDES THE FOLLOWING CHARACTERISTICS

- Temperature range: -65 °C / +155 °C
- Temperature life: 1,000 hours at + 155 °C
- Salt spray: 96 hours
- Altitude immersion: 50,000 feet
- Mating/unmating cycles: up to 100
- Random vibration: 13.8 Grms – 0.2 G2/ Hz from 10 to 400 Hz and 0.03 G2/ Hz from 400 to 2,000 Hz, 5 hours per direction
- Shock: 50 g – 11 ms – half sine, 3 impacts per direction
- Lightning strike: 3.6 kA (10 positive and 10 negative strikes)
- Shell-to-shell conductivity: typical < 2.5 mohm
- Shell-to-rail conductivity: typical < 2.5 mohm

FEATURES & BENEFITS

- *Cost savings for installation and maintenance*
- *Optimized weight and reduced cost of ownership*
- *Time-saving solution, due to easy and economical integration in the current rail system*

APPLICATIONS

- *Aircraft manufacturers for wire-to-wire applications: single aisle, wide body, business jets or regional aircrafts*