



SOURIAU expands its range of JMX push-pull connectors for the medical market

After being launched in the first quarter of 2017, JMX Plastic, SOURIAU's very first range of connectors for electronic medical equipment gained notice at the Compamed trade show in Düsseldorf that same year. SOURIAU used this year's edition of Compamed to announce that it has added larger sizes to its JMX Plastic range to meet an influx of new electronic medical equipment that requires a higher contact density in order to be powered. In addition to offering advanced technical features and compliance with IEC 60601-1 and UL94 V-0, these JMX connectors have been carefully designed to meet the esthetic and functional requirements of medical device manufacturers.

SOURIAU is a leading supplier of cable interconnect and assembly solutions for a wide range of high-performance equipment and harsh environments.

In particular, SOURIAU possesses extensive experience in push-pull locking connectors thanks to its metal, JDX and JBX series adapted to industrial applications. It mobilized its expertise to develop a range of medical electrical connectors that were applauded for their quality and reliability when they were introduced in 2017. ISO 13485 certification was awarded very quickly thereafter.

The JMX Plastic family of connectors are sealed to IP68 (2,000 cycles) and withstand steam autoclave sterilization according to IEC 60601-1 (up to 200 ergonomic cycles). Continuous developments in medical devices and the constant influx of new equipment on the market create tremendous opportunities for these connectors. SOURIAU is maximizing these opportunities by offering new sizes. The range used to consist of nine arrangements of two power contacts and 12 signal contacts. It now features 24 arrangements and up to 19 signal contacts. In addition, a mix of signal and power contacts in the same arrangement is now possible. JMX connectors are designed for use on all medical devices that come contact with patients—diagnosis and monitoring equipment, scanning equipment, mammography equipment, and vascular testing equipment. They can also be used on catheters during surgery, during chromatographic analysis in laboratories and in physiotherapy, on laser generators, and liposuction devices.

Perfectly safe connections

JMX connectors guarantee safe connection and disconnection to and from equipment by healthcare workers with just one hand. When pushed in, an audible click confirms that they are securely mated. To disconnect, simply push and pull on the plug. The colored rings (9) prevents mismatching of plugs and receptacles.

