

PRESS RELEASE

Lutronic Launches All-new Product Group Peak Power in IP67: Circular Connector for Up To 50 Amps

Schalksmühle, 10.02.2021. Lutronic is currently starting up an all-new material group – Series 02 – for its high-performance IP67 circular connectors with Quicklock. Quicklock releases the latch with a rocker that snaps the 2- to 12-pin connectors firmly into the sockets, and conveniently disengages the latch again with a little pressure from the finger.

The male and female field-attachable connectors as well as the male and female panel-mount chassis receptacles (with a captive silicone cover) come in four design sizes with a 12, 16, 20 or 28 mm diameter of the mating face, for a rated current of 50 amps for the maximum performance version. The cable connection caters to the nowadays frequently requested larger cable diameters and ranges up to 11.5 mm and is done by soldering or – for design size 28 – also by screw clamps.

All dimensions feature an insulating body, housing and cap nut made of robust PBT (V0 UL94) while the brass contact male wiring pins are generally gold-plated. The connector's Quicklock latch is made of a chromium-plated zinc alloy for all design sizes. All models are IP67 rated and designed to withstand a temperature range of between -40 and +80 °C, which facilitates their use in highly challenging environments.

The design sizes 20 and 28 accommodate higher currents in particular. While design size 20 can be used for up to 20 amps in certain pin configurations, the 2-pole versions of design size 28 can carry a rated current of up to 50 amps, for a rated voltage of 500 V and a rated impulse

voltage of up to 2,500 V AC in confined spaces. Already the design size 12 offers 2-6 pole versions catering to a rated current of 5 amps, the 7-pin and 8-pin designed for 3 amps.

These new models are Lutronic's response to the demand for power connectors that can be assembled in the field and are used in test and measurement applications, but also in areas such as apparatus and mechanical engineering, traffic management systems and studio and stage technology, which call for IP67 dust and water impermeability standards.

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The following printable media kit is attached to this press release
[All Photos © LUTRONIC]:

Photo 1: LUTRONIC_WG02_Quicklock-Connector in IP67.jpg



Photo 2: LUTRONIC_WG02_Quicklock-Einbaukupplung in IP67.jpg

