

UTS Hi seal PCB version

The latest addition to the SOURIAU UTS range is a sealed plastic open face connector for printed circuit boards. It is the only one on the market to provide IP68 and IP69K ingress protection ratings, even when it is unmated. The UTS Hi seal PCB version is intended particularly for electronics applications subjected to wide temperature variations, generating condensation, and to submerged environments: instrumentation in humid environments, outdoor light fixtures, road signs, off-road vehicles, wastewater treatment stations, etc.



The UTS Hi seal PCB version stands out through its high level of watertightness, whether locked or unlocked.

First, when it is not locked, the receptacle is watertight, with IP68 and IP69K rating. This gives it two advantages: if a cap is forgotten, there is no risk of infiltration, so the electronics are protected, and it is an additional guarantee of watertightness when the connector is locked. This technical performance is obtained by retention of the contacts in an elastomer.

Second, in the locked position, the UTS Hi seal PCB version has the performance of the UTS range and also provides IP68- or IP69K-rated sealing. This means that its characteristics are maintained under immersion at a depth of 10 m and during high-pressure cleaning at 140 bar. This sealing is even dynamic: in practical terms, this means that it is maintained even when the cable is moving. The material, a high-performance plastic, withstands UV, shocks and vibration and has excellent temperature resistance (- 40 °C to 105 °C). In addition, the UTS Hi seal PCB version connectors are resistant to salt spray (> 500 hours), increasing their reliability in outdoor use.

Designed to be soldered on a board, the UTS Hi seal PCB version connector has a washing standoff as standard to facilitate rinsing of effluents after wave soldering. Clips for retention on the board are available on option. The connector is available in 18 configurations, from 2 to 19 pins; it transmits any type of signal and power up to 1000 V and 13 A. It is qualified according to the UL 1977 (Underwriters Laboratories) standard for 250 mating cycles.

For further information: www.souriau-industrial.com

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