

NICOMATIC SA
ZI Les Bracots
F-74890 Bons-en-Chablais

Téléphone / Phone +33 (0)4-50-36-13-85
Fax / Facsimile +33 (0)4-50-36-11-33
Contact presse / Media Contact +33 (0)4-50-36-19-54

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NEW OMM MICRO CIRCULAR CONNECTOR

Product Innovation: OMM for PCB to PCB, PCB to wire and wire to wire interconnect

NICOMATIC is introducing for the first time at EUROSATORY its Micro Circular connector concept especially aimed at applications in small spaces such as unmanned aerial vehicles (UAVs), UVS, missiles, surveillance cameras, robotics and handheld remote controls.

The OMM micro circular connector allows a high density of contacts in a minimum space and is available today in 6, 8 and 10 position housing sizes with either pre-wired, SMT or straight tail signal terminations.

With a total mated length of 7,8mm in PCB to PCB (12,6mm in PCB to wire) and an outer diameter of 11mm, these connectors withstand temperature variations from -60 to +260 degrees Celsius, have gold-plated contacts (3A) hooked in NICOMATIC housing to make them capable of up to 2,500 mating cycles. The solution is based on the same level of reliability as the CMM series micro connectors under MIL-DTL-55302F.

Thanks to its high temperature insulator special PPS (260°C) and thanks to its 1 fixing screw, OMM is extremely light which makes it easy to use in handheld and flying equipments where each gram has its meaning. Its captive screw facilitates the interconnection making it simple, more comfortable for the user and secure (you do not screw at the same time as you interconnect).

In comparison to MIL-83513 connectors or similar metal connectors even in nano size, OMM micro circular connectors offer a new alternative for anyone wanting to save space, reduce the total mating dimension for the male to female halves and increase the quality of contact by allowing higher amperage.

