

## MEC 97

### The electromechanical waterproof power distribution unit for off-highway applications

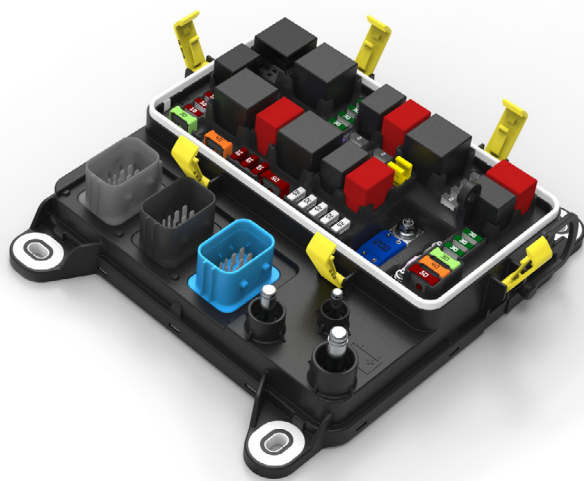
*Munich, 28th January 2019.* MTA, a multinational company, headquartered in Italy, known for the development and production of a wide range of electromechanical and electronic products sold to major OEMs, is showcasing during Bauma Munich (hall 2A, stand 627) the new MEC 97 modular electrical center for the distribution of power and the protection of major electrical utilities in off-road applications.

MEC 97 is a configurable power distribution unit produced with the printed circuit board (PCB) logic, where all relays and fuses are assembled on the PCB top side using press-fit technology. This is an innovative solderless process to insert terminals on the printed board that ensures optimal electrical contacts even in the presence of strong vibrations.

MEC 97 allows to integrate all the functions in one piece, thus eliminating the need of different modules and associated wirings. The vehicle is therefore lightened from costly and heavy modules and cables, the wiring layout is simplified and the assembly time reduced.

#### High level of personalization

MEC 97 comes with 4 different customization levels, with upper and bottom covers remaining standard through the range. In the basic level – called *Soft* – customers can choose various ranges of relays or fuses, which are all plug-in components. The *Medium* configuration comes with a customizable PCB, while in the *Medium+* the frame, hosting relays and fuses, can be personalized too, making the unit a highly versatile product. In the *High* level the number of studs and connectors can change depending on customer's needs.



*The new MEC 97 modular electrical center for the distribution of power and the protection of major electrical utilities in off-road applications.*

#### Robust hardware

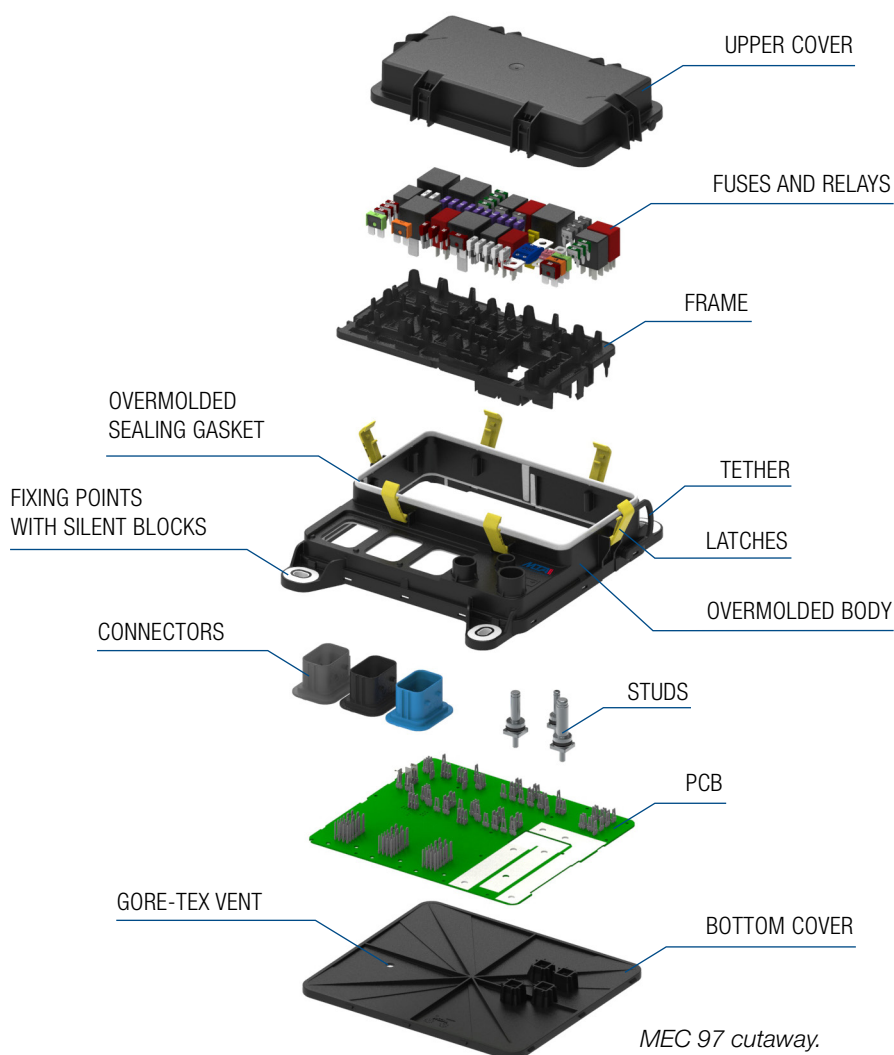
MEC 97 comes equipped with an anti-vibration system integrated inside the fixing points, to assure high mechanical and electrical performances in severe applications and to avoid to OE Manufacturers the need to mount silent blocks.

The fuses and relays are housed in a sealed compartment that protects the components from dust and water. Protection is also ensured by: a Gore-Tex vent that allows free air circulation in the unit and avoids the formation of moisture; an overmolded sealing gasket;

6 latches which preload the cover against the seal and close the MEC 97. These characteristics ensure an IP69k protection degree for the high demanding environments where the targeted machines operate. Moreover, the cover is tethered to the body to ensure it won't be displaced during assembly or maintenance.

All the above characteristics, combined with compactness, make MEC 97 also perfect for use in the engine compartment, where it can be positioned horizontally, vertically or inclined, thereby taking maximum advantage of the available space.

MEC 97 is compatible with both 12 V and 24 V electrical architectures and, upon request, can host a module to convert CAN bus messages into digital outputs.



**Download the press kit:** [www.mta.it/en/bauma-2019](http://www.mta.it/en/bauma-2019)

MTA S.p.A. is a global leader in the development and production of a wide range of electromechanical and electronic products developed internally for the primary manufacturers of cars, motorcycles, on-highway and off-highway vehicles. Founded in 1954, MTA has two production sites in Italy (Codogno and Rolo), 8 foreign sites, sales of about 205 million Euro, and 1480 employees.

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MTA at BAUMA – **Hall 2A, stand 627**

**MTA PRESS OFFICE**

**COM&MEDIA** Barbara Maggi – Silvia Casazza | +39 02 45409562 | [uffstampa@comemedia.it](mailto:uffstampa@comemedia.it)