

## Electric-pneumatic device for CANopen

The EB 80 by Metal Work (Italy) combines solenoid valves of all types, multi-position bases, pneumatic and electric supplies, digital or analog I/O signals.



The CANopen interface is available at an M12 plug connector (Photo: Metal Work)

At Hannover Messe 2018, Metal Work exhibited its EB 80 system. The patent-protected product can be obtained using a small number of basic components. In order to achieve this objective, a single size of small valves to cover the vast majority of applications was conceived. A single electronic control unit is provided when supplying 12 V<sub>DC</sub> or 24 V<sub>DC</sub> valves with a CANopen interface integrated. The modular device comes with a diagnostic system.

The EB 80 system offers multiple combination options of valves, bases, electrical connections, and additional modules. To simplify the selection, the supplier provides a typical simple configuration that can be conveniently used for many applications. The proposed configuration features a 44-pin multi-pole connector with a 5-m cable, 4-valve bases with 8 controls for 6-mm or 8-mm pipes, up to a maximum of 4 bases (16 positions for valves, 32 controls).

The IP65-rated CANopen module provides an M12 plug for the connection to the bus-lines and the ground. The module is protected from overload and polarity inversion. The outputs are protected against overload and short-circuit. The device supports up to 128 digital inputs and up to 128 digital outputs as well as 16 analog inputs and 16 analog outputs.

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