

## CAN on site

### Power modules – CAN in the field



**CAN-MIO  
CAN-HMx**

Our power modules are versatile process interfaces for on-site control systems in low voltage applications. **CAN-MIOs** and **CAN-HMx**s widen the versatile functionality of our IO-modules by providing power outputs, resulting in complete single-box control modules for on-site deployment.

Kind and count of process signals, switching capacity, casing, operating temperature range and environmental protection class are selected according to the applications demands.

Casing and connection technology satisfy harsh industrial requirements. M12-plug-in connectors are standard for process signals, modular configurable HAN-Connector allow for flexible interfacing to different device and plant configurations.

To satisfy manifold environmental requirements, we offer the modules in solid aluminium die casting or steel sheet metal casings, and also in different protection classes.

**Tough**



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## Signals

Process signals via M12 industrial connectors:

	MIO	M2IO	HM	HMR	KKD01
• digital inputs 24 V <sub>DC</sub>	2	4	6	6	4
• high-side outputs 24 V <sub>DC</sub> , 0,5 A	2	3	-	-	3
• analog inputs 0..20 mA	2	3	-	-	3
• analog inputs Pt100,	3	6	6	6	6
• analog outputs 0..20 mA	2	2	-	-	2

## Power

Galvanically isolated power outputs 230 V<sub>AC</sub>, HAN-Connectors

Current rating (via zero voltage turn-on SSRs)

	2 A	10 A	16 A	16 A	10 A
• 1-phase AC outputs	3	6	6	3	6
• 3-phase AC outputs				1	
• AC line input, # of phases	1	3	3	3	3

## CAN-Bus

The CAN-bus interface is galvanically isolated. On the CAN-bus, 5 successive identifiers are used. Baudrate as well as base identifiers are configured by an internal DIP-switch. The bus interface uses two industrial M12 connectors. Both connectors are directly joined, allowing feed-through connections as well as stubs from the bus system.

## Digital in- and outputs

The digital signals are galvanically isolated from the power supply and the bus system. The outputs can be used for inductive loads and are protected against short circuits and excessive temperature.

## Analog in- and outputs

In the standard configuration, the analog in- and outputs are implemented as current interfaces for the industrial 0..20 mA range. A flexible circuit design allows different customer specific configurations even in small lot sizes.

The signals are routed via industrial M12 connectors.

## Mounting and supply

The power modules are designed for wall mounting. Line power supply is fed via a HAN input connector and, to provide feed through, internally connected to a HAN output connector.

The modules require a control voltage supply of 18..36 V<sub>DC</sub>.

## Options

Application specific configuration is possible, especially:

- flexible analog in- and output configuration
- CAN-telegram structure, optional CANopen®
- Signal preprocessing

User specific modules are available even in small lots, please contact factory for details.