

DM-101

Single axis Modusys
module for auxiliary
axis control

Delem

Modularity solutions

With the Modusys DM-10x modules, scalability and flexibility is provided based on state of the art electronics ready for tomorrow.



The DM-101 module is a single axis controller and part of the modular concept for the DAonWindows range.

The control functions and settings of the module are programmable over any DAonWindows front-end control. Depending on the axis control type a machine parameter will be enough to have all control options for servo, frequency inverter control as well as AC 2-speed control available.

Up to a maximum of 16 modules can be connected to the front-end control units via the industrial bus with the sequencer (PLC) functionality of the control. This will give optimal scalability to suite the machines configuration and integrate machine control functions, and save relays or other logics.

All Modusys modules are interconnected by the HSB-bus. This enables easy setup, reduces cabling and makes a fully integrated system.

Next to this module all kind of axes can be controlled via additional modules offering optimal flexibility.

DM-101 module featuring:

- Servo control
- Frequency inverter control
- AC 2-speed control
- Delem Modusys compatible
- High frequency encoder interfacing
- Analogue inputs
- Enhanced diagnostics
- Compact footprint and encasing

Technical Specifications DM-101

Product configuration

Standard

- Auxiliary axis control
(e.g. X, R, Z, part support, etc.)
- Delem Modusys compatible
- Delem Sequencer compatible
- HSB-bus interface, RJ45-type



DM - 10x Modusys series

Ordering information

- DM-101

Technical specifications

General

- Robust housing
- Fast mounting
- Status and diagnostics display
- Enhanced axes analyses over front-end control

Axis control

- Auxiliary axis encoder interface
(5V or 12V DC/250mA, single ended or differential)
- Servo control
- Frequency inverter control
- AC 2-speed control (over digital outputs or analogue output)

Input / Output specification

- 4 x digital inputs (10-28Vdc/20mA)
- 4 x digital outputs (18-28Vdc)
(4 x 1,5A)
- All inputs opto isolated with common ground
- 2 x analogue input (0 - 10V, 12bit)
- Encoder input frequency: 1 MHz

Supply

- 18 - 30V DC (ripple max. +-20%)
- Power dissipation 3.5 Watt max.
- Max. 1A

Environment

- Operation temperature +5 - +50°C
- Storage temperature -10 - +70°C
- EMC according to IEC 801
- Small footprint (240 x 53 x 132mm.)

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