

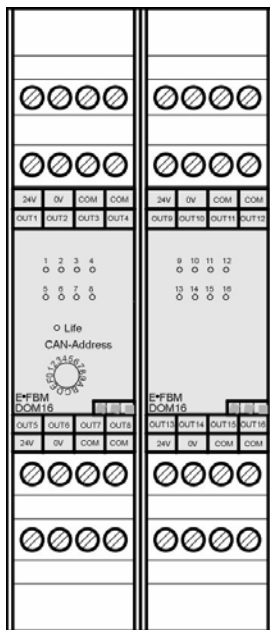
## DIGITAL OUTPUT MODULE – DOM16



### Features

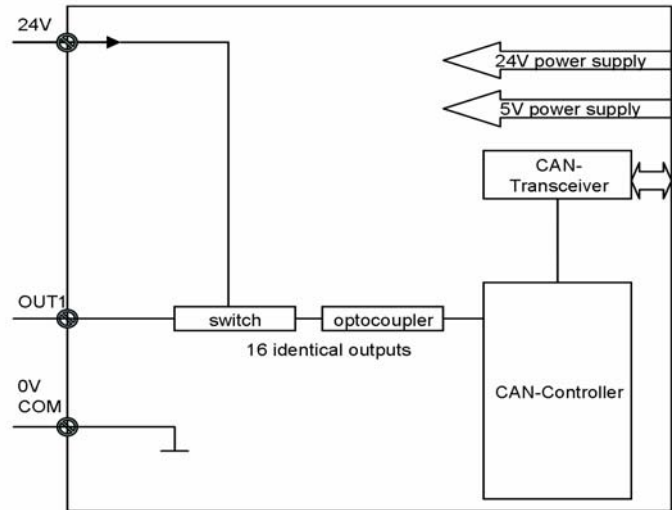
- ▶ Digital output module for 16 optically isolated 24 V signals – 2-wire connection
- ▶ High-activ-output; each channel 500 mA short circuit protected
- ▶ External supply input for the outputs 24 VDC / 4 A
- ▶ Impulse generator with parametrisable PWM-function
- ▶ 16 pilot LEDs for signalling the output states
- ▶ Cross-communication to other modules with logical functions
- ▶ Communication by CANopen DS-401, Autobaud-recognition
- ▶ Module address type-specifically adressable by a front-switch
- ▶ LED for life check
- ▶ Ultra compact design

## Connection diagram and terminal assignment DOM16



+24 V  
0 V, COM  
OUT1 .. 16

24V external supply for the outputs  
Signal ground  
Output 1 .. 16



## Technical specifications

### Electrical connection

- ▶ Supply voltage: 5 VDC by internal ME-bus; 24 VDC by external supply
- ▶ Supply:
  - Switching voltage of control typ. 24 VDC (18 .. 32 VDC) via ME bus
  - Logic voltage typ. 5.0 VDC (4.75 .. 5.24 VDC) via ME bus
- ▶ Supply current:
  - max. 240 mA via 5 V system bus
  - max. 60 mA via 24 V external supply

### Interfaces

- ▶ Number of outputs: 16 channels
- ▶ Output current: 500 mA at 9 .. 30 V external supply
- ▶ Short circuit current: Short time 1 A; max. total current each ½ module: 4 A
- ▶ Max. signal frequency: ca 250 Hz
- ▶ Parameterisable filter: Parameterisable digital filter, type low-pass
- ▶ Isolation voltage: 500 V
- ▶ Monitoring functions: Watchdog; thermal and short-circuit protection

### Housing

- ▶ Module width: 45 mm
- ▶ Address range: By switch in the range of 10 .. 1F hex
- ▶ Temperature range: -20°C bis +70°C; transport and storage  
+0°C bis +50°C; operation
- ▶ Relative humidity: 5 – 95 %, non-condensing
- ▶ Protection: IP20
- ▶ Standards: EC conformation declaration according
  - ▶ 89/336/EWG (EMC-standards)
  - ▶ 73/23/EWG (low voltage standard)