# 8-channel pulse width output

## µCAN.8.pwm-SNAP
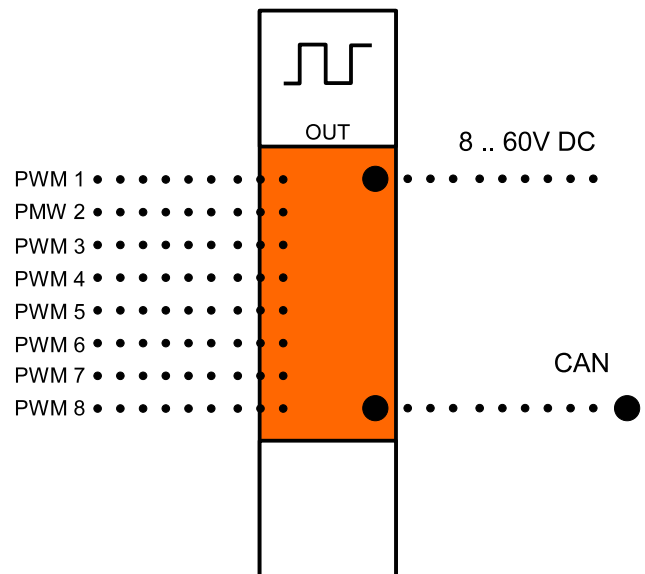
### 8-channel pulse width modulation output

The **µCAN.8.pwm-SNAP** component at its 8 outputs provides pulse width modulated signals (PWM) within the range of 0% to 100% for controlling of actuators (valves etc.).

The outlets are overload and short circuit protected. The **µCAN.8.pwm-SNAP** is connected with the central control unit via the CAN-bus.

## Features

- 8 PWM outputs
- Maximum load per output up to 1.4 A
- Protocol: CANopen CiA 401
- LED for system status and error indication
- Output voltage from 5 .. 50 V

OUT

8 .. 60V DC

PWM 1
PMW 2
PWM 3
PWM 4
PWM 5
PWM 6
PWM 7
PWM 8

CAN

| Technical Data | 8-channel pulse width output CAN.8.pwm-SNAP |
| --- | --- |
| Number of channels | 8 PWM |
| Power supply voltage | 8...60 V DC, reverse polarity protected |
| Power consumption | 1.5 W (60mA @ 24V DC) no-load operation |
| Potential isolation | Fieldbus/control voltage: 500Veff |
| Operating temperature | -40°C...+85°C (others upon request) |
| Transfer rate | 10kBit/sec up to 1MBit/sec |
| Protocol | CANopen CiA 401 (CAN 2.0A and 2.0B) |
| Number of PDOs (CANopen) | 1 transmit PDO / 2 receive PDOs |
| Configuration | In- / output mode via field bus<br>Bit rate and module address via DIP-switches |
| Status indicator | 1 bi-color LED for module status information |
| Outputs | no galvanic isolation of outputs, long-term short-circuit protection, max. output current per output 1.4 A (total current over all outputs up to 6A)<br>Overload and short-circuit detection  / 5..50V DC |
| Base frequency | 25 Hz ... 5 kHz |
| Duty cycle | 0.0%-100.0% |
| Resolution | 0.5% |
| Protection class | IP20 |
| Casing | DIN-rail casing    22.5 x 114.5 x 99.0 mm (W x D x H) |
| EMC | EN 50082 compliant |

| Order number | Description |
| --- | --- |
| 10.87.003 | µCAN.8.pwm-SNAP<br>8-channel pulse width output with CANopen, **without galvanic isolation**, configured for DIN-rail mounting, connection via screw terminals, **High-Side-Driver** |
| 10.87.004 | µCAN.8.pwm-SNAP<br>8-channel pulse width output  with CANopen, **with galvanic isolation**, configured for DIN-rail mounting, connection via screw terminals, **High-Side-Driver** |