

PE 552

The PE552 is the compact and robust 16-bit microcontroller I/O module with CANopen functionality. Additionally this device provides CANopen gateway to J1939 engine/network.



- 7..30 VDC supply voltage
- Operating temperature range -40°C...+70°C
- Storage temperature range -50°C...+85°C
- Stainless steel housing, PUR casting in bottom side
- Protection class IP 67
- Weight ~720g
- 8 digital outputs
- 8 digital inputs
- 4 analog inputs

Technical details

- Separate power supply pins for the microcontroller and outputs.
- Microcontroller's power consumption max. 2.5 Watt, typically 60mA @ 24V.
- Protected against over voltage and faulty voltage polarity.
- The reverse polarity protection does only work, when the supply for outputs is fused (~16 A) and a short circuit is switched off after 50-250 ms.
- 8 digital outputs
Output type 24V p-switching, max continuous current 2.5A/output. Configurable to ON/OFF outputs or to PWM outputs with selectable frequency. Max output current on 7/8" power supply connector 13A.
- 8 digital inputs
Input type 24V p-switching. 2 inputs for frequency measuring. 2 inputs for a quadrature encoder.
- 4 analog inputs
0...20mA measuring range. 60W serial resistance and 237W shunt resistance to GND. Overvoltage protected.
- CAN-bus interfaces (ISO11898)

CAN1:

CANopen protocol - CiA DS 301 V4.02
CANopen device profile for generic I/O modules - CiA DS 401 V2.0
Supports LSS - Layer Setting Services DSP 305 V2.0
CANopen device profile for truck gateways - CiA WD 413 V1.02
(J1939 Gateway) Baudrate up to 1Mbit/s

CAN2:

Connection to J1939 engine network
Baudrate 250 kbit/s
Internal 120Ω bus termination