



# DISPLAYS: MCA 232

## MOTOMETER

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The CAN bus compatible multi-functional display MCA 232 is free configurable and can be installed with eight individually selectable indicator lights or six indicator lights plus two switches (for adjustment of display options).

All signals coming from the CAN-Bus and the analogue inputs can be indicated on the integrated LC-display e.g. as bargraph, value field or bitmaps.

#### **Basic features:**

- 1 CAN - input
- 2 switching outputs
- Buzzer (optional)
- 6 digital inputs
- 3 analogue inputs
- up to 8 LED indicator lights
- 2 programmable switches (optional)
- free programmable, high-resolution, monochrome LC-Display
- LCD backlight for status announcement in different colours

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### Main plug

- 20-pin plug (Tyco)
- plug soldered uprightly on printed board
- plug TYCO 1-174957-1, socket TYCO 1-173851-1
- onclusive adjustment and inverse-polarity protection
- connection clamp 15, 58 and 31
- 6 gate inputs (+ or - switching)
- 1 frequency input
- 3 analogue inputs (U,I,R)
- 1 CAN 2.0 B input

### Further specials

- front foil scratch-resistant back-printed made of polyester  
front foil in Dead Front design
- bright SMD-LED
- PWM activation of control lamps
- day and night design
- Check control for 3 seconds when switching on

### Electrical specifications

Nominal Voltage:	12 Volt / 24 Volt
Supply voltage:	8 ...36 Volt
CAN:	2.0 B (ISO 11898)
	baud rate: 100kbit-1 Mbit

### Mechanical Data

Temperature range:	-40 up to +85°C
Protection:	short-circuit, overload and pole protected.
Protection degree::	IP67 (front) IP40 (rear)
EMV-compatibility:	EN 12895 DIN 40839-1 EN 13309
Dimensions:	installation aperture 80 mm installation depth 40 mm blind overhang 3,5mm

Resistance against oils, hydraulic oils, fats, fuels, alcohol, hard water and all popular biological oils and biological fuels.

Salt fog and salt spray resistance: DIN 50021 - SS

Shock resistance: falling (with packaging) from 1m height

Vibration resistance: 60068-2

Permanent form-, layer- and deterioration durability against high uv radiance DIN 755220

All data subject to technical changes.

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