



## CAN Line: MCA 430



MCA 430 is a configurable multifunctional display and enables graphical presentation of different datas on the free designable, high-resolution 4,3" TFT colour display. Operation is via 4 front sided, free programmable and illuminated function keys — easy, intuitive and clear. Configuration of all its functions occurs over the application tool CODESYS e.g. menu structures, icons, bitmaps, scales of instruments, bargraph, customer logos and many more.

The MCA 430 is designed for an operating voltage between 12 and 24 volts and thus offers a wide range of application, from construction equipment or service vehicles of all types in municipal or agricultural sectors to stationary motors or operating machines.

The display and control unit was developed especially for the rough outdoor use of commercial vehicles and for an operating temperature -40°C up to +85°C.

# **MOTOMETER**

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### Configuration

The application tool CODESYS offers with the implemented database of graphical elements the user an easy and customer specific configuration of different settings.

- Device settings
- Parameter setting and diagnostic pages
- Alarm messages
- Free design of display sites (structure, layout and number of elements, bitmaps e.g. customer logos, scales of instruments, bargraph)
- Logical connections

### CAN Interface

- 1 independent CAN interface support standard SAE J1939
- CAN interface 2.0B; (11-Bit- and 29-Bit-identifier)
- Transfer rate: configurable up to 1 Mbit/s

### Inputs

- 9 analogue inputs (U, I, R)
- 1 frequency input max. 15kHz
- 8 digital inputs

### Outputs

- 2 digital outputs max. 1,5 A
- 1 PWM output max. 3A
- 6 PWM outputs max. 1,5 A
- 1 voltage output max. 5 V / 0,4 A

### TFT Colour Display

Resolution: 480 x 270 px  
Diagonal: 4,3"; 16:9  
Colour: 24 bit / RGB  
Brightness: 650cd/m<sup>2</sup>

### Electrical specifications

Operating Voltage: 12 ...24 Volt

### Mechanic

Operation Temperature: -40 up to +85°C  
Protection: Long-term overvoltage  
DIN 16750-2, shortcircuit proof  
and polarity protection  
Protection Class: IP67 (front)  
IP40 (rear)  
EMC compatibility: DIN EN 13309, ISO 11452-2,  
ISO 7637-2, ISO 10605  
Dimensions: 102 x 118 x 9mm  
Mounting height 19,5 mm

Resistance against urea, lime water, NPK mineral fertilisers,  
ammonium hydroxide, fuels, hydraulic oil and ethylen  
glycol.

Resistance to salt spray: DIN EN ISO 9227  
Shock resistance: DIN EN 60068-2-27  
Fall (with package) from 1m height