



Designed for machinery and vehicle technology
MCP5 offers:

Widescreen display

MCP5 features a high dimensioned WVGA-TFT display with a resolution of 800 x 480 pixel.

All around protection

The total enclosure is well protected against the intrusion of soil and wetness according to protection rating IP65. A new construction concept for the enclosure has enabled the elastic mounting of the display in order to improve the vibration and shock performance.

More function keys

Besides the 14 softkeys and the 2 digital potentiometers 12 additional keys to be individually labelled enable the direct access to significant functions. The potentiometer axis includes a pressure function for the confirmation of inputs or the selection of menu items. Illuminated rings around the keys ensure a trouble-free operability at limited visibility conditions such as twilight or at night.

2nd CAN bus as standard

2 integrated CAN bus interfaces are standard with MCP5. It offers a variety of options in plant configuration.

Video input

MCP5 offers 4 video inputs to connect a camera (e.g. rear view camera) or for machinery observation. The camera view can be displayed arbitrarily in full screen, half screen or as extract. Additionally it can be rotated and mirrored.

Modern plug-in technology

MCP5 allows the creation and integration of customer-specific visualization plug-ins. Besides the existent plug-ins also TrueType fonts, graphical elements like trend recorder, pointer and bar as well as diagrams and the integration of bitmaps are possible.

Programming via USB interface

The user project can be downloaded fast and safely from USB keychain. Additionally process data can be recorded directly on the USB keychain.

Technical data:

Dimensions	w 291 x h 152 x d 95,4 mm
Mounting hole	w 278 x h 144 x d 95,4 mm
Weight	1800 gram
Display type	WVGA-TFT, 800 x 480 pixel
Display dimension	155 x 94 mm
Contrast	500:1
Brightness of display's background illumination	450 cd/m ²
Video	colour, PAL, BNC-connection
Current consumption	0,55 A (on 24V)
Supply voltage	9 - 36 VDC
Program/data memory	64 MByte DDR-SDRAM, 16 MByte Flash, 512 kByte SRAM
I/Os	9 dig. low-side inputs, 2 dig. high-side PWM-outputs
Interfaces	2 x CAN ISO11898, USB 2.0, 2 x UART (RS 232/485/422), Ethernet, 4 x Video In
Options	buildup enclosure
Test standards EMC, temperature, vibration, shock	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-6, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN60068, e1 in preparation
Protection rating enclosure	IP65
Operating temperature	-20°C to +70°C
Storage temperature	-30°C to +80°C

We reserve the right to make technical alterations without prior notice. Status: April 3 2009. H277A1

Logic programming

Programming of logic operations can be realized in programming language "C" or via designing schematic diagrams with our editor software GDS-Logic (optionally available).

