

CAN-CBM-OP5

CANopen Terminal with Rotary Encoder

- 240 x 128 pixel LC-graphic display
- matrix keyboard
- optical rotary encoder (jog-shuttle)
- CANopen profile

Terminal with CANopen Interface

The CAN-CBM-OP5 is a terminal module with an interface according to CANopen. The graphic commands, the keyboard and the jog-shuttle data are transferred via manufacturer-specific CANopen objects. The firmware supports a text plane and a graphic plane, IBM font subset 437, two internal graphic fonts and graphic commands.

Keyboard

The keys are placed at a PCB behind the metal front panel. A colored plastic foil is used for labeling the numeric key block and the 'del' and 'ok' key. The two rows with function keys above can be labeled individually by the customer with a printed paper or plastic stripe that can be placed between the front foil and the metal front panel in a special gap.

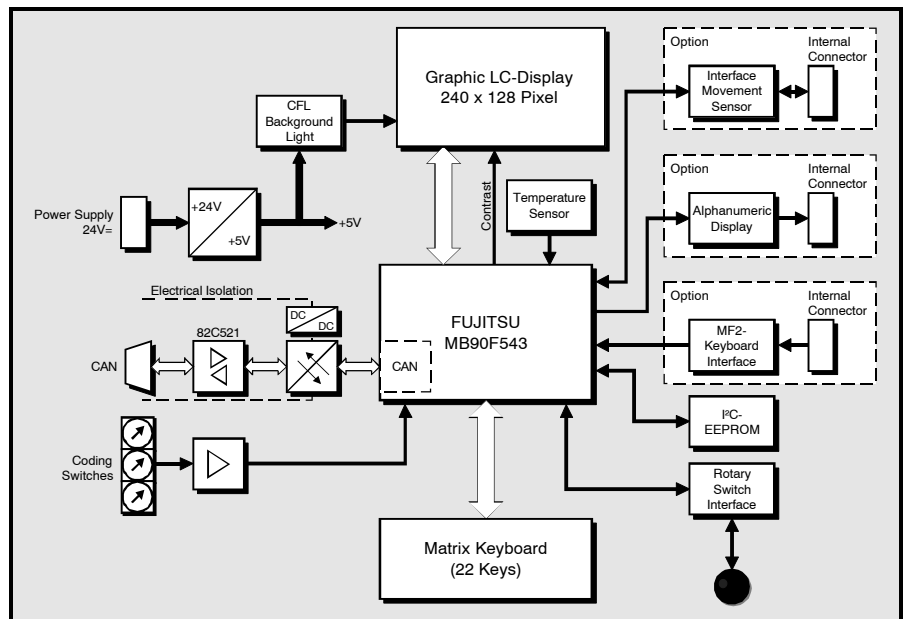


Display

The CAN-CBM-OP5 is equipped with a 240 x 128 pixel LC-graphic display with backlight.

Housing

The front panel is made from aluminium and is covered with a plastic front foil that protects the electronic components against dust and moisture. The fitting frame is made from plastic and the back cover is made from painted steel. The complete module is designed for fitting in a control panel.



Technical Specifications:

Microcontroller/CAN:

Microcontroller:	MB90543
EEPROM:	serial EEPROM for parameters
CAN interface:	electrically isolated, 1 Mbit/s, ISO11898
CAN configuration:	default-values of bitrate and CAN identifier by coding switches at the back cover

Display:

Type:	LC-graphic display
Resolution:	240 x 128 pixel
Background light:	CFL background light, option: movement sensor to extend CFL lifetime
Contrast:	automatically setting, according to ambient temperature

Keyboard/Jog-Shuttle:

Matrix keyboard:	22 keys
Labeling:	user-specific labeling of 8 function keys
MF2-keyboard:	interface for MF2-keyboard as an option
Jog-shuttle:	16-bit counter rotary encoder

General:

Ambient temperature:	0...50 °C
Humidity:	max. 90 %, non-condensing
Power supply:	24 V
Connectors:	CAN: 9-pole DSUB, male power: 3-pole Combicon-style
Dimensions:	196 x 296 x 50 mm
Control panel cutout:	approx. 187 x 287 mm (details see manual)

Order information:

Designation		order no.
CAN-CBM-OP5	CAN terminal, CANopen	C.2120.05
CAN-CBM-OP5-ME	English user's manual	C.2120.21