

Electronic Cam Controller Processor System MCC 144 -Bus Flush Mounting 144 x 144 mm

> POSI 5001

Application

Path- and time-dependent run-off Controls which iterate cyclicly especially as replacement for all control mechanism which are controlled by mechanical inductive cams.

Function

A programable digital output signal or/and voltage value is set for a programable path or angle during operating cycle.

In this case the actual value of an external encoder or internal timer is compared with the desired values.

Construction

- > Keypad with tactile feedback
- > Soft- and hardware modular
- > Hardware with 6 plug-in places
- > Standard housing for panel mounting

Insert Cards

- > Power unit
- > Encoder unit, incremental or absolute
- > Input unit, 24-fold, 24 VDC / 2,2 k
- > Output unit, 16-fold, 24 VDC / 50 or 200 mA
- > Analog output unit, +- 10 V
- > additionally 8 digital inputs, 24 VDC / 2,2 k
- > Interface unit, serial or parallel

Actual Value Encoder

- > Incremental, K1, K2, K0
- > Absolute, BCD, Binäry, Gray
- > Internasl timer

Resolution

- > 9999 path- or time- elements

Input Frequency

- > 6 kHz equivalent to 1.000 rev/min at 1° resolution

Inputs (standard)

- > Release for programming of parameter and data
- > Calibrating and reset
- > External program call-in
- > Monitoring for press control



POSI 5001, System MCC 144-BUS

Outputs (standard)

- > max. 64 pcs, PNP or NPN, 50 or 200 mA
- > one output can be used multiple time dependent on speed, max. 4 cams per output
- > Monitoring for press control
- > the lat output = fault output

Display

- > 12-dec, alphanumeric
- > status message and trouble report
- > text information for operational guidance

LED's

- > status message of the outputs

Monitoring the system and encoder

- > Power supply
- > Battery voltage
- > Processor
- > Table check of parameter and data relating to plausibility

Parameter Input a. o.

- > Incremental or Absolute Encoder
- > Max. Encoder value
- > Calibrating value
- > path- or time-dependent function
- > dynamic cam
- > 2th input > output value or cam lenth
- > Monitoring for press control

Programming

- > Direct input by key-board
- > Teach-in by key-board
- > Input by PC



Indication of actual values

- > Encoder value
- > Speed value or cycles per min

Options

- > PC-interface
- > Interface serial or parallel
- > Encoder input serial
- > Encoder input frequency 10 kHz
- > Memory extension to 75 programs
- > External Display
- > Connection of 2 encoder
- > Electronic gear for conversion to any linear measure or angle degree
- > Surface mounted housing

PC-interface

- > Programming by PC
- > Visualisation of data and parameter
- > Data and parameter comparison with source and testprograms on other media, f.e. floppy or harddisk
- > Printout of programs with comparison test and marking
- > Error analysis

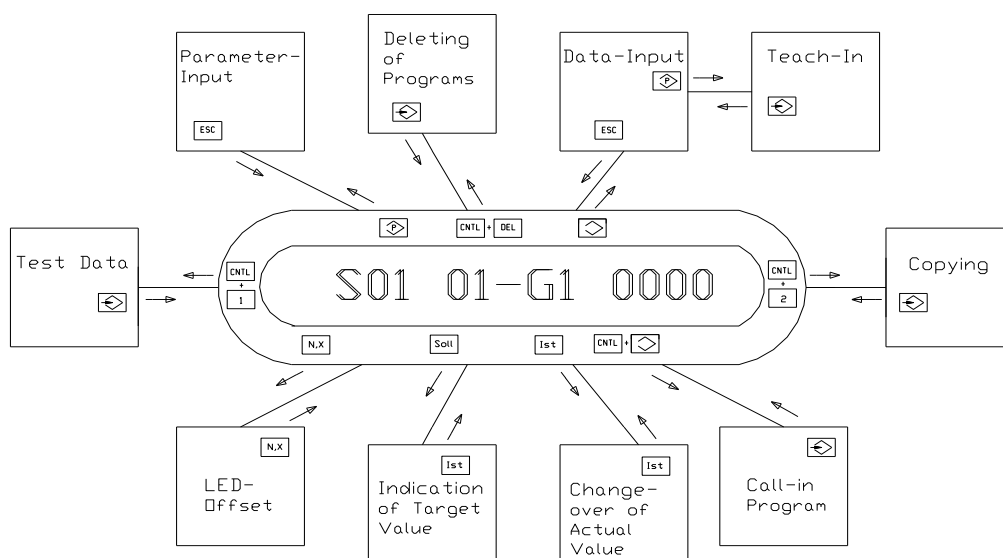
General Data

- > Power supply 24V AC or DC
- > Current consumption 300mA without encoder and outputs log=0
- > Back-up 5 years by Lithium battery
- > Connection on the back with connectors
- > Type of protection IP 55
- > Allowable ambient temperature 0-55°C

Dimension

- > Width = 144 mm, high = 144 mm
- > Front-to-back size 170 mm additional connector 60 mm
- > Cut-out 138,00 x 133,40 mm

Program Structure



Dimension

