Eckelmann

# EMBEDDED NC-CONTROLLER E°EXC 66e CAN

Special functions and features

- NC functionality with a maximum of 16 axes

- Limitations for a controller with 8 or 16 axes:
  A maximum of 4 simultaneously interpolating axes and additionally up to 12 auxilliary or gantry axes

- Comprehensive firmware extentions for different technologies (oxygen cutting, water cutting, eccentricity grinding etc.)

- PLC programming in accordance with IEC 61131-3

- PLC programmable according to IEC 61131-3

- Programming via RS232C and Ethernet

- Up to 4 galvanic isolated CAN busses (e.g. für CANopen®-drives)

- External LBM-PWR04 power module is necessary to supply the E°EXC 66e CAN and the I/O modules

Connection diagram E°EXC 66e CAN
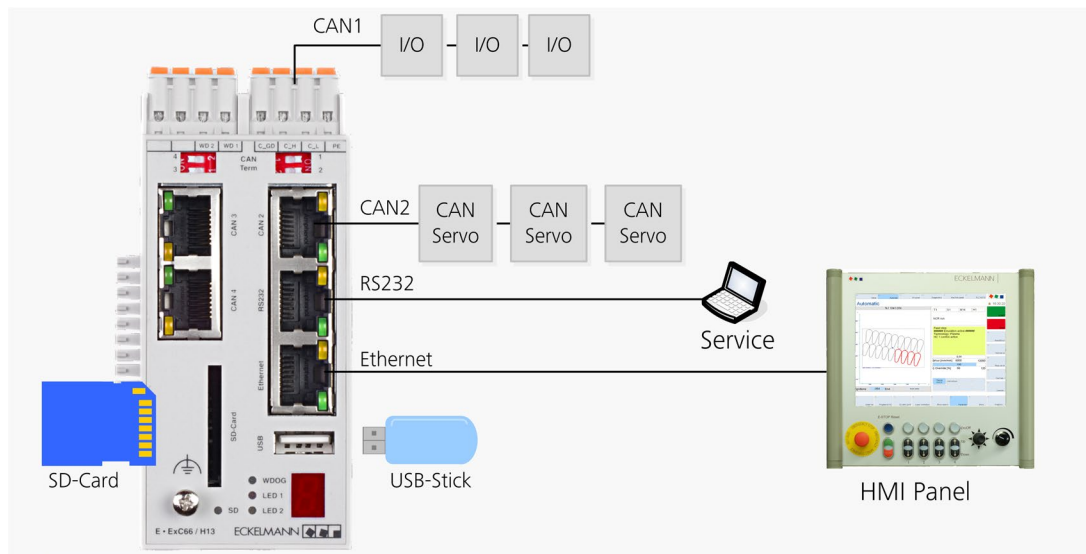
Specifications

Electrical connection
- Supply Voltage: 5 V DC via Localbus from power supply LBM-PWR04
- Supply current: max. 600 mA via Localbus

Interfaces
- CAN1-bus: CANopen® ports for I/O modules on COMBICON connectors
- CAN2 .. 4-bus: CANopen® port for drives with profil DS402 on RJ45 connectors with pilot-LEDs
- Program memory: 2 MByte memory for PLC program
  8 MByte memory for NC (DIN) programs
- Data memory: 2 MByte memory for PLC data
  512 kByte CMOS-Ram, battery buffered
- Memory extension: Slot for SD cards
  USB interface for mass storage devices
- Programming interface: Ethernet, RS232C interface with pilot LED's
- Realtime clock: Battery buffered
- Operating monitoring: Watchdog with solid state relay

General data
- Dimensions: W 45 x H 100 x D 84 mm
- Temperature range Transport/
  Storage: -20 °C .. +70 °C
  Operation: 0 °C .. +50 °C
- Relative humidity: 5 % .. 95 %
- Protection: IP20
- Standards and regulations: EC Declaration of Conformity according to
  - 2014/30/EU (EMV Directive)
  - 2011/65/EU (RoHS Directive)

  UK Declaration of Conformity according to
  - SI 2016/1091 The Electromagnetic Compatibility Regulations 2016
  - SI 2012/3032 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

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