

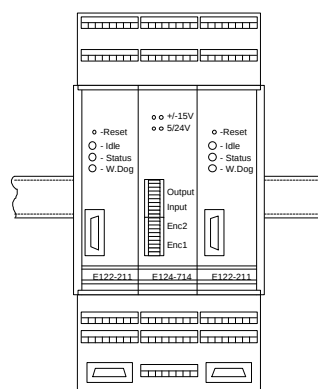
M2000 Three Slot Eurocard Enclosure System

T127-401 Enclosure for up to 2 PSC's

E124-714 Encoder, Logic I/O Card and Power Unit

Features:

- ➡ Three slot PSC Eurocard enclosure
- ➡ DIN rail mounting for easy installation
- ➡ Plug in Encoder &/or system PSU unit
- ➡ Easy access 2 part PCB wiring headers
- ➡ RS-485 ports for multi-PSC systems
- ➡ Compatible with Moog E127 cards



Description

The T127-401 system is designed for small PSC systems where typically 1 or (at most) 2 PSC's are to be installed. The DIN rail mounting feature makes the unit ideal for installation in electronic control system cabinets along with other machine control equipment.

The T127-401 comprises 3 DIN41612 (Single Eurocard) slots mounted on a PCB back-plane carrying the Moog (E127) power bus to each of the card slots. The card I/O pins are terminated at forward facing plug in 2 part PCB headers mounted above and below the metallic open frame card enclosure.

A typical installation might include an E124-714 Encoder & Logic I/O expansion card mounted in Slot2. This unit also carries an integral DC/DC converter PSU suitable for supplying 5V and +/-15V for the other cards in the rack (also available with the PSU only). Slots 1 and 2 are connected together via the PSC's internal XM0 Bus allowing communication between an Encoder Card and PSC placed in Slot1. The 3rd slot might be another PSC or any other of the Moog range of control Eurocards.

Power Supply Requirements

24V DC/DC Converter Output:

- +5V at 1500mA
- +/-15V at 500mA

Encoder Card Onboard:

- +5V at 250mA
- +/-15V at 40mA

PSC Card Input:

- +5V at 500mA
- +/-15V at 150mA

Rack Specification

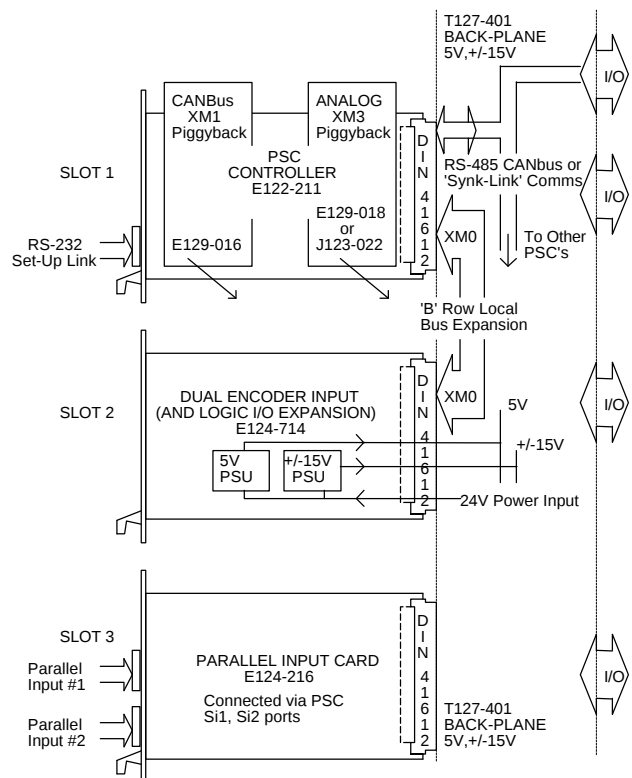
Card Slot - 3 x DIN41612 style C, 7 hp wide spacing. Rows a and c connected together. E127 back-plane power distribution.

XM0 Bus - Internal b row connection of Slot 1 and 2 for Encoder Card interfacing.

Din Rail - Mounting rail NS 35/7.5 acc to DIN EN 50 022

Dimensions - 115x224x258 (WxDxH in mm).

Connectors - 2 part 3.5mm PCB headers, screw terminal plugs.



Typical T127-401 Three Slot Rack Configuration

Slot 1 and 3 PSC I/O Connections -

- X1 - DIN41612
- X2 - Analog in 1 to 6
- X3 - Analog out 1 and 2 and +/-15V
- X4 - PSC logic I/O 4 in/ 4 out
- X5 - RS-422 ports Si1 and Si2

Slot 2 Encoder I/O Connections -

- X1 - DIN41612
- X2 - Encoder Channel 1
- X3 - Encoder Channel 2
- X4/5 - Logic I/O expand, 8 in/ 4 out

General Connections:

- X4 - Remote Reset
- X5/7 - RS-485 Comms ('D' Types)
- X6 - Power Input

Note:

- PSC's should not be plugged into the same XM0 bus on the T127-401 rack - i.e. use slots 1 and/or 3 for PSC mounting.
- E127 Analog/Conditioning Eurocards, or the Parallel Input Card may be plugged into any slot.
- Only 1 Encoder card may be fitted in the T127 rack (in slot 2).
- See the Moog E127 and M2000 product ranges for other compatible products. A 19 inch rack enclosure product is available for larger system installations.

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