

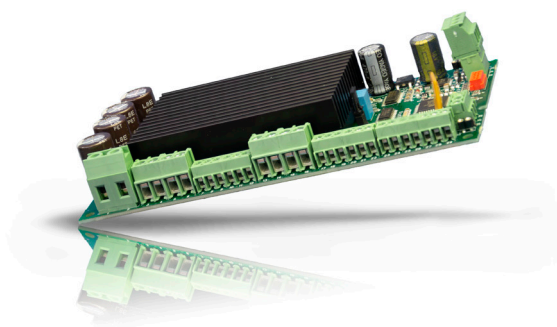
TR-EM-337A-PLI Parallel Driver Data sheet

TR-EM-337A-PLI Parallel Driver

TR-EM-337A-PLI is a parallel synchro controller for 4 DC-motors. The controller has four H-bridge power stages. The driver works with actuators that can offer pulse feedback signal. The control is done with FW / BW commands.

The synchronization control will keep all motors in the same speed and position. If synchronous error exceeds the set difference limit, all motors will be stopped.

Device includes adjustable acceleration and deceleration ramps, which produce the smooth starts, stops and direction changes. Load compensation also enables good operation with asymmetric loads. Adjustable current limits can be set.



Third party product

Technical data:

- Supply voltage: 12-24VDC (10-35V)
- Undervoltage shut down 8V
- Idle current: <20mA
- Motor currents (at 2kHz/16kHz):
 - 4 x 10A / 4x5A at continuous use
 - 4 x 15A / 4x7A at duty cycle 25
 - 4 x 20A / 4x8A at duty cycle 10% (max 5 s.)
 - 4 x 25A max. in start
- PWM frequency: 2kHz/ 16kHz
- Current limit, setting: 1-25A
- Overtemp. limit: 120°C
- Control input impedances typ. 47 or 10 kohm
- Fault-out NPN open coll. max. 30V/50mA
- Brake out NPN max. 4A
- 5V aux. output max. 20 mA
- Recom. operating temp. (Ta): -40 to 60°C

Features:

- Synchronized 4 parallel driving
- Operates with pulse feedback
- Pulse counting PNP or NPN logic
- Quadrature pulse counting
- Current and temperature limit
- Settable drive speed
- 2 or 16kHz pwm frequency
- Acceleration and deceleration ramps
- Stroke length limitation
- Setting with serial interface
- Brake (release) output
- Safety switch input
- Rs-485 (Modbus) control
- Safety reverse function
- A-version replaces earlier versions but A-version works only with A-ver. firmware



The specified product is produced by Electromen OY

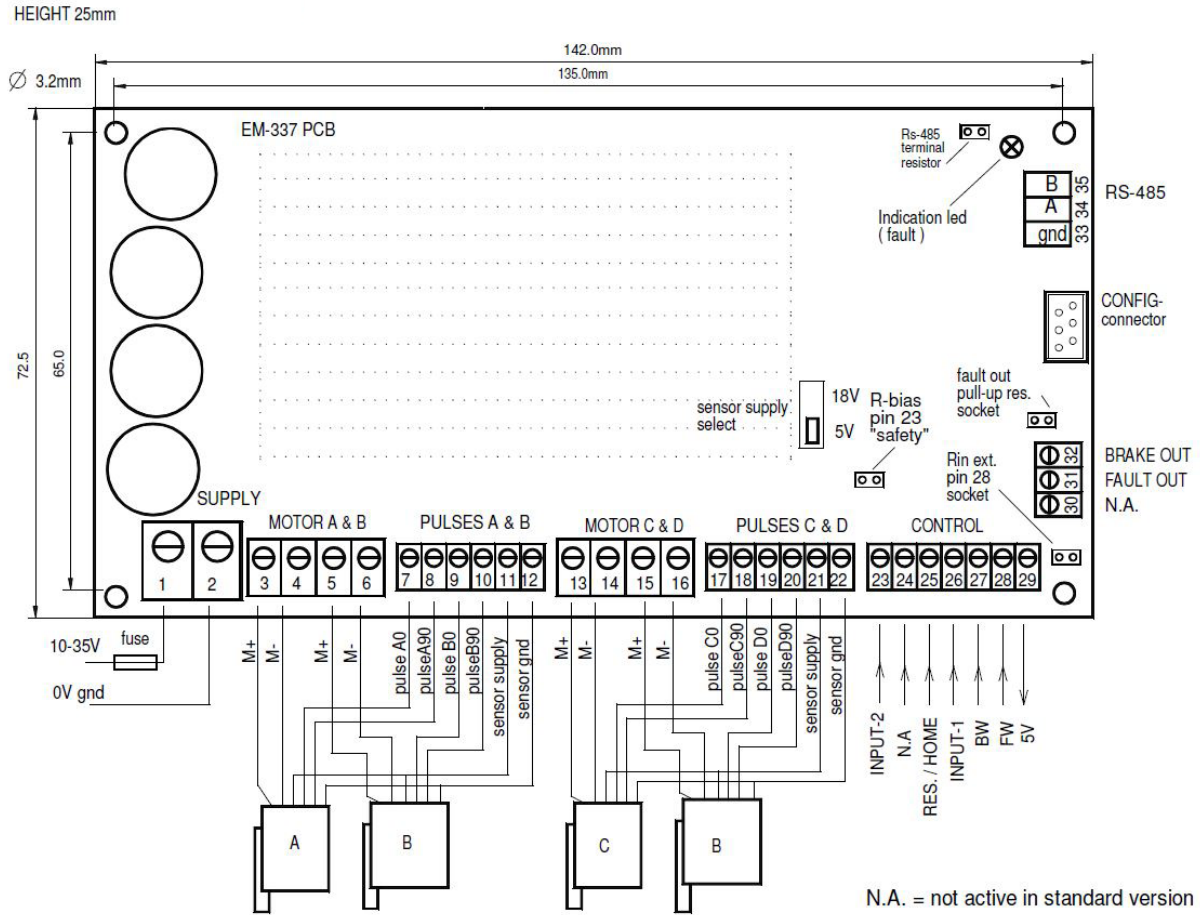
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Continued

TR-EM-337A-PLI connector and dimensions



Ordering:

TR-EM-337-PLI Parallel Driver:
 TR-EM-337-PLI-R (for DIN rail mounting):
 TR-EM-337-PLI-H (in box):
 TR-EM-337-PLI-T-230 (in box with power supply)

Ordering no.: TR-EM-337-PLI-DK
 Ordering no.: TR-EM-337-PLI-R-DK
 Ordering no.: TR-EM-337-PLI-H-DK
 Ordering no.: TR-EM-337-PLI-T230DK