



Productinfo ECMD241 Productinfo ECMD242

- Power drive for 2-phase stepper motors
- 200,400,800 and 3200 steps / revolution
- ECM241... 24...40 V, 0,5...1,25 Ampere
- ECM242... 24...40 V, 1,0...2,5 Ampere
- High cost-performance

- For all common 2-Phase-stepper motors

- **Inputs:** (optically isolated)
PULSE, DIRECTION, OFF
Step frequency up to 100 kHz, pulse width 5µs
Wide range signal input voltage (3.5...24)Vdc

- **Outputs:** (optically isolated)
READY

- **Robust screw terminals for all electrical connections**
- **Only one power supply 24...40 Volt required**

- **Motor current adjustable from 0.5...1.25 (1.0...2.5A) with potentiometer**

- **1/1, 1/2, 1/4, 1/16 step**
200, 400, 800, 3200 steps/revolution (1.8°)

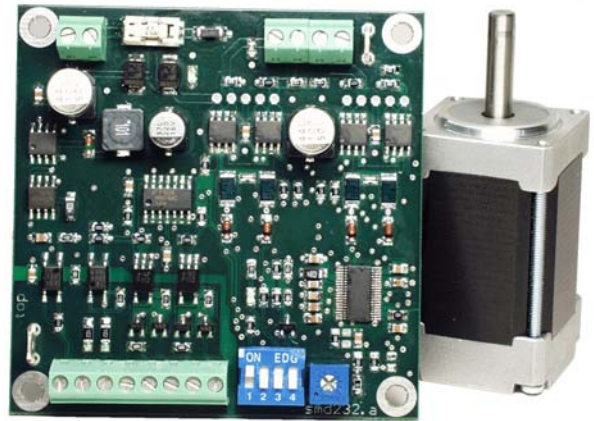
- **Automatic current down system**
- **Status LEDs: Power, Current reduction,**

- **Bipolar power drive, chopped, low noise and reduced power dissipation**

- **Very compact size: L:D:H: (72:72:10) mm**
(3:3:0.5) Inch

Variants / order code

ECMD241.000	0,5 - 1,25 A/ Phase
ECMD241.001	0,5 - 1,25 A/Phase DIN-Rail mounting
ECMD242.000	1,0 - 2,5 A/ Phase
ECMD242.001	1,0 - 2,5 A/Phase DIN-Rail mounting



The ECMD241 (ECMD242) power drive is an absolutely economical driver for all common 2-phase hybrid stepper motors, especially for small motors size 20, 28, 39, 42 mm. The electronic design features very little heat dissipation. For this reason a very compact drive card could be realised. The drive is suitable for industrial applications. Consequently cheap connectors or jumpers for settings were avoided. Especially life time (MTBF) relevant components are of high quality. The signal interface has galvanic isolation with opto isolators. Cable shield connections are available for EMI protection.

The OEM device technology is the main application field for the drive. Usually the ECMD241 (ECMD242) is mounted inside the OEM device in open frame technology. For simple and fast mounting the power drive can be inserted in a DIN-rail clip module.