

Product info *smd x85*

- **2(3)-Phase-stepper motor power drive**
- **24...80/130 Volt, 1,25...10 Ampere**
- **compact metal housing or as open frame**



- **step resolution (steps per revolution):**
2Phase: 200/400/800/1600 500/1000
3Phase: 400 500/1000/2000

- **wall mounting, DIN-rail**
- **for all common 2- or 3-phase steppers**
- **Inputs:** (optical isolated)
Pulse, Direction, Gate, Reset, Off, FAST
step frequency up to 150 kHz
- **Outputs:** (optical isolated)
Ready, Zero-phase (Index-pulse, Zero-pulse)
- **all connectors removable**
- **only one power supply necessary**
- **a lot of condition LED's**
- **save against over -current, -temperature, -voltage, under voltage.**
- **active ballast resistor circuit at over voltage**
- **automatic current reduction when no pulses**
- **onboard automatic fan control**

- **all adjustments on front panel**
- **less noises and resonance**
- **high torque constant step by step**
- **Size: H:B:D 200x40(65)x105(mm)**

Power package, powerful with high dynamics

The smdx85 is a power drive for all common 2- or 3-phase stepper motors. The fast current controller allows to operate low inductance motors at high voltages. This is a basic necessity for high dynamic applications. The device can easily be mount and is especially designed for integration into control cabinets. All connectors are removable. Because of the onboard fan control the mounting location is mostly irrelevant. Using the series smd2(3)85 offers the possibility to cover a wide application field with little motor variants. The stepper motor drive has excellent running performance such as low resonance run, high step angle accuracy and high and constant torque from step to step. This was achieved with the implementation of a very precise motor current controller and the direct current measurement in the motor windings. The motor phases are controlled in bipolar operation mode. There is no noticeable noise emission.

Variants / order code

smd285.xxxx0xx 2-Phase power drive
smd385.xxxx0xx 3-Phase power drive

.x----- 0/1: 5V / 24V signal interface
.-x----- 0/1: open Frame / metal housing
..-x---- 0/1: w/o heat sink / with heat sink
...x--- 0/1: wall mounting / DIN-rail clip
....x- 0/1: 24...80V / 60...130V power supply
.....x 0/1: 1,25...5A / 2,5...10A motor current