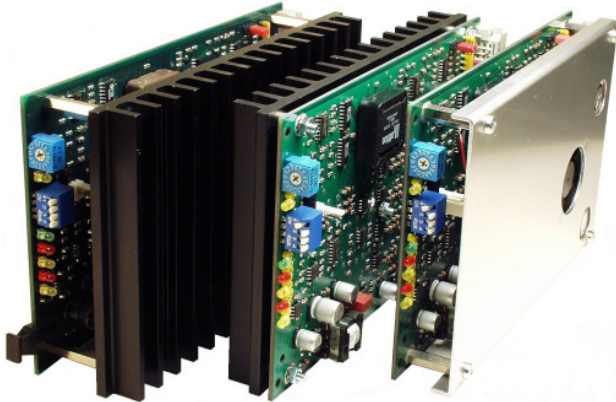


Product info smd285

- 2 phase stepper motor power drive
- 19 Inch technology 3HU
- 24...80/130 Volt, 1.25...5/10 Ampere



- **step resolution (steps per revolution):**
200/400/800/1600 500/1000
- **heat sink left or right**
- **slim cassette version <30mm**
- **compatible to market standards**
- **for all common 2 phase steppers**
- **Inputs:**
Pulse, Direction, Gate, Reset, Off, Fast
step frequency up to 100 kHz
- **Outputs:**
Ready, ZEROphase (Index pulse)
- **Connector: 32pol. VG DIN41612 Version D**
compatible to 2-phase technology
- **only one supply voltage necessary**
- **multiple status LEDs**
- **save against over -current, -temperature, -voltage,**
low voltage
- **active ballast circuit protects from over voltage**
- **automatic current reduction at stand still**
- **absolute low noise and resonance run**
- **high and constant torque constant from step to step**
- **size: L:W:H 160x100x44(42)(29)(mm)**



19“ EURO drives, different models (e.g. super slim)

The power drive series smdex85 includes a group of 19-Inch PCB European size, which are compatible to other available products in the market. The smdex85 is suitable for 2-phase as well as for 3-phase stepper motor technologies. The cassette version is very flat in size and has an automatic fan control implemented. With this very compact multi axis systems can be realized. Because of the wide voltage- and current range there are less motor variants necessary to handle a wide application field. All general stepper motors in hybrid technology can be driven by the smdex85 power drive. Using the series offers the possibility to handle a wide application field with less motor variants. The stepper motor drive has excellent running performance resulting in less resonance and less step angle error. This could be achieved by implementing of a very precise motor current controller and the direct current measurement in the motor windings. The operation mode of motor phases is bipolar. There is very little noise emission.

Variants / order code

smd 285-xx

-0x	heat sink right (standard)
-1x	heat sink left
-2x	cassette (slim line)
-x0	80V, 5A, Signal 5V-24V
-x1	80V, 10A, Signal 5V-24V
-x2	130V, 5A, Signal 5V-24V
-x3	130V, 10A, Signal 5V-24V