

Product info smdex85



- **2-(3-)Phase**-stepper motor power drive
- 19 Inch technology 3HU
- 24...80/130 Volt, 1,25...5/10 Ampere
- step resolution (steps per revolution):
2Phase: 200/400/800/1600 500/1000
3Phase: 400 500/1000/2000
- heat sink left or right
- cassette in flat dimension <30mm
- **compatible to market standards**

- for all general purpose **2- und 3-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-or 3-phase technology

- only one power supply 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 noises and resonances while in motion

- high torque constant step by step

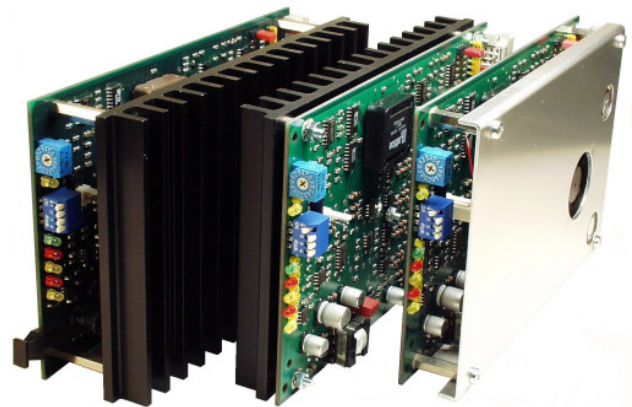
- size: L:W:H 160x100x44(42)(29)(mm)

Variants / order code

smde285.20x00xx 2-Phase Power Drive
smde385.x0100xx 3-Phase Power Drive

.x----- 0/1: 5V / 24V signal interface / !3,5..24V
.-x---- 1/2/3 heat sink right / left / cassette
.-x- 0/1 24...80V / 60...130V power supply
.-x 0/1 1,25...5A / 2,5...10A motor current

! not available for smde385



! heat sink left and cassette only for 2-phase drives
smde285

The power drive series smdex85 includes a group of 19-Inch PCB European size, which are compatible to others 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 motion performance resulting in less resonance and less step angle failure. This was reached by the implementation 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 little less noise emission.