



LW1D3050N081-00

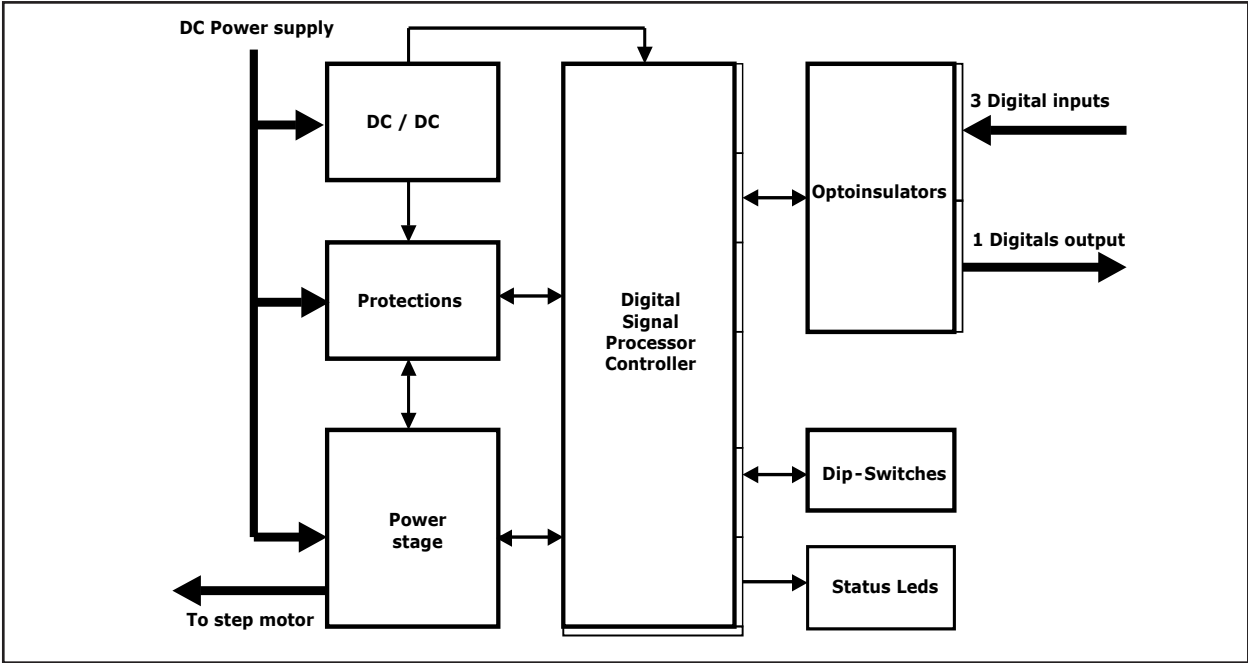
Hardware Controlled Full Digital Microstep Driver of 2/4 phases step motors

Technical Characteristics

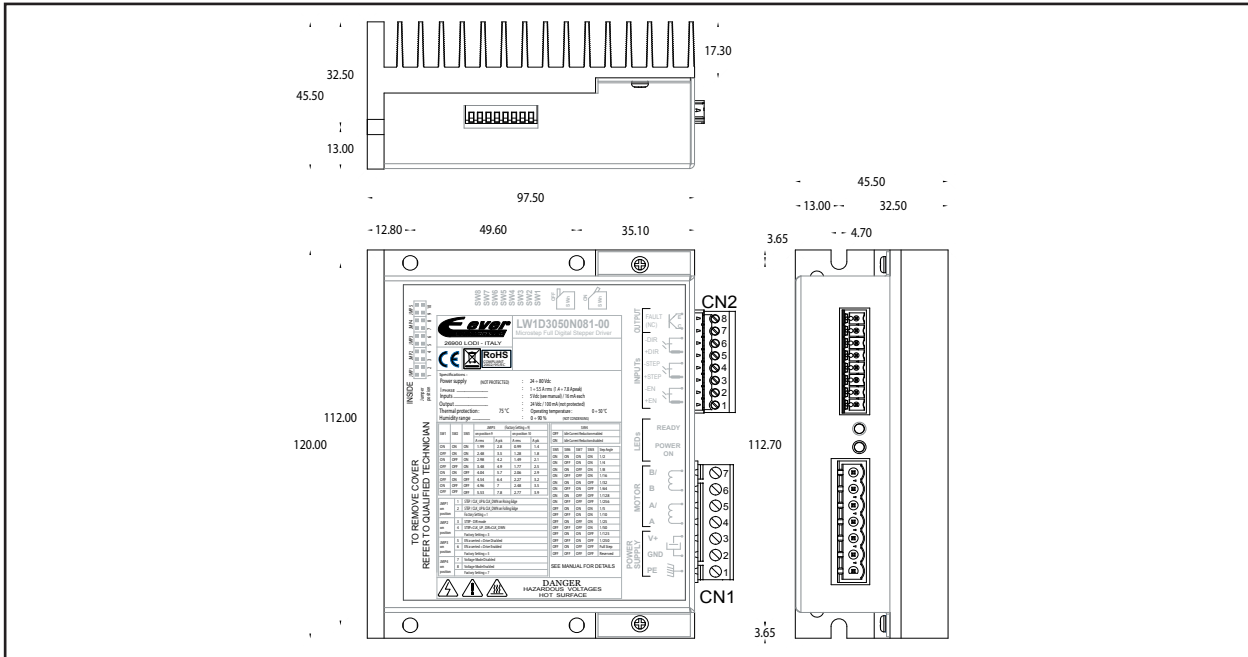
- Power supply : 24 ÷ 80 Vdc;
- Phase current : 1.0 ÷ 5.5 Arms (1,4 ÷ 7,8 Apeak);
- Driver type : bipolar chopper;
- Chopper frequency : 40 kHz;
- Step angle : full step, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256, 1/5, 1/10, 1/25, 1/50, 1/125, 1/250, sinusoidal waveform;
- Protections : overcurrent, DC bus under/overvoltage, phase/phase and phase/ground shortcircuit, overtemperature;
- Digital inputs : # 3 optocoupled 5 Vdc, NPN, PNP or line-driver (300 KHz);
- Digital output : # 1 optocoupled, 24Vdc 100mA, Fault, transistor output;
- Function modality : clock / direction / enable or clockUP / clockDOWN / enable;
- Current reduction : automatic (enabled by user dip-switch);
- User settings : by mean of # 8 dip-switches + 5 jumpers;
- Status display : power-on green led, fault green led;
- Connections : power supply, motor, digital I/O, earth;
- Temperature : operating 0°C ÷ 50°C, storage 0°C ÷ 55°C;
- Umidity : 0% ÷ 90%;
- Protection class : IP20;
- Dimensions : 120.0 x 97.5 x 45.5 mm;
- Weight : 500g. approx.

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Block diagram:



Mechanical dimensions:



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