

• MOSFET Digital Outputs Board.



## CHARACTERISTICS

- 8 Channels.
- MOSFET Technology.
- Maximum rated current: 0.5A per channel, from 16VDC to 150VDC (minimum operating current of 1 mA).
- 1kV galvanic isolation with respect to control stage.
- By default, channels 1 to 7 shall be *Normally Open (N.O)*. Channel 8 can be set in *N.O*: or *Normally Closed (N.C)*. This channel shall be fitted with a fuse protected relay.
- It withstands overcurrents of up to 15A during 0.5 seconds (to withstand load start up currents).
- Leakage current per channel maximum of 25µA at air temperature of 25°C and 250µA at air temperature of 150°C.
- Protections:
  - > Overcurrents: slow protection 5A/100ms and protection against short circuits.
  - > General board overheating protection.
  - > Transient overvoltages: EN50121-3-2 (surges).
- Operating modes:
  - > Channels *Normally Open*.
  - > Channels *Normally Closed*.
- Designed in accordance with IEC 61375-1, EN50155.

## FUNCTIONALITY

- Equipped with 8 0.5A Digital Output channels with MOSFET technology.
- The 8 channels are arranged in two groups with a common negative, galvanically isolated (1kV).

## RELIABILITY

- MKBF: 15.509.968 km (average speed of 30km/hour).
- MTBF: 516.999 hours (50°C air temperature).

## CONSUMPTION

- 5V (Imax=500mA).

## DIMENSIONS AND WEIGHT

- 4HP x 3U (width x height).
- Weight: 180g.

