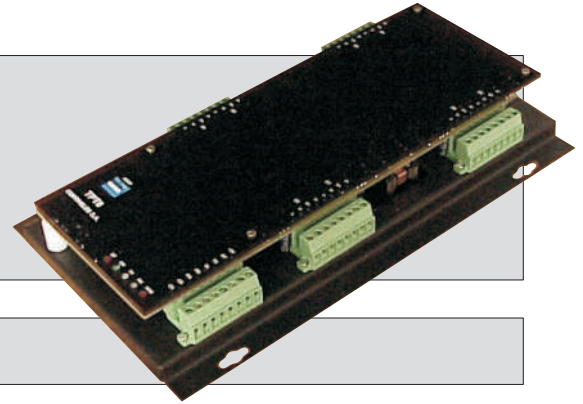# TPT8
DIGITAL INPUT CARD

INPUTS
Quantity: 32
Type: passive digital

Optical isolation with separated ground for each input.
Nominal voltage: 110 Vdc
Load: 1.6 mA @ 110 Vdc
RC filter and software filter
Scan cicle: 1ms
Antiparallel diode protection.
Indication: red led
Terminals
      Type: pluggable, 2,5 mm^2
      Quantity: two terminals for each input
Optional voltages: 12 Vdc to 220 Vdc

COMMUNICATIONS
Serial port RS485
Protocol BUS485
Time synchronization
Indications
      bicolor leds in RX, TX and CK transmission led
Bus address: 4 switches
Optional protocol: Modbus

State indicator led

Power supply: 19 to 28 Vdc
Consumption: 100 mA
Power supply indicator led

PRESENTATION
Enclosure for wall mounting

ENVIRONMENT CONDITIONS
Air temperature: 0 to 55 ºC
Relative humidity: 100% SC

Weigh: 800 g

FUNCTION
Adquire binary inputs from an electrical system, preprocess them and transmit them to the RTU CPU.

DESCRIPTION

Characteristics
- Standalone card for wall mount.
- Pluggable terminals for field and communications wiring.
- Easy installation, field wiring goes directly to the board without intermediate terminal strips or relays.
- Hot plug
- Solid state, based in a microprocessor with flash rom.
- Network addressable with RS485 communications.
- Scan cycle 1ms, filtering algorithm adapted to customer needs.
- Sequence of events queue (SOE) with up to 200 events.

Functions
To isolate the digital signals with optocouplers.
To detect changes in the inputs state
To filter the changes, asingning a time tag and to store them in the SOE queue.
To transmit the SOE contents to the RTU CPU by means of the communication port.
To keep time in synchronism with the CPU

37,0   267,0   158,0

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