## TDS12117                    Digital input interface with 16 inputs

The digital input interface TDS12117 has 16 input channels for all kinds of voltage free contacts, to be used as inputs to the system. The contacts can be from standard wall mounted push buttons, motion and presence sensors, door and window contacts, contact from burglar and fire alarm systems, rain sensors, etc.

Additionally, the digital input interface is able to receive pulse counter inputs. This is used to measure inputs from energy meters, to measure electrical power consumption or production (PV panels), gas, water, precipitation, wind speed, etc...

This is an AUTOBUS connected interface with power over AUTOBUS like almost every TELETASK interface.

## APPLICATION

Interface for the connection of 16 digital inputs on the AUTOBUS.

## CHARACTERISTICS

### Inputs

For 16 voltage free input.
The output impedance of the connected device must be ≤ 1kΩ when closed.
Cable: max. 100m, min. 0,22 mm²
For pulse meter: max. cable length 5m, max. 5 pulses/sec.

### Heart beat LED

This LED reflects the working of the processor, the change of an input status and the communication with AUTOBUS and the central unit.

## SETTINGS

### Configuration

Via PROSOFT Suite (3.6.18 or higher).

### AUTOBUS address

Trough rotary switches Tens + Units.

### Jumpers

Terminating resistor (supplied with the interface). To be used when the interface is at the physical end of the AUTOBUS cable.

## INSTALLATION

### DIN-rail mounting

3 modules wide

## CONNECTIONS

### AUTOBUS

AUTOBUS connector set + patch cable (supplied with the interface). 12V (supplied by the AUTOBUS - minimum 9V). Can be checked in PROSOFT diagnostics.

### Inputs

16x voltage free input.
Screw terminals; max. 4mm² (solid) (AWG 12) or 2,5mm² (stranded) (AWG 14).

## POWER CONSUMPTION

Max. 30 mA

## DIMENSIONS

54 W x 90 H x 60 D (mm)

## NET | GROSS WEIGHT

0,110 | 0,230 kg

## PACKAGING CONTENT

TDS12117 interface
AUTOBUS connector set + terminating resistor
AUTOBUS Patch cable

## STORAGE

### Temperature

-20°C to +65°C

### Relative humidity
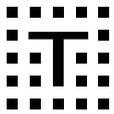
15% to 85%

## IP PROTECTION RATE

IP20

## OPERATING RANGE

### Temperature

0°C to +50°C max.

### Relative humidity

5% to 85% at 25°C (no humidity/condense)

**SCHEMATIC DRAWING**

## AUTOBUS

Min. 9V

Terminator
Heart Beat LED
AUTOBUS
address
Tens
Units

**TDS12117**
Digital Input Interface 16x

C 1 3 5 7 9 11 13 15

Digital input

C 2 4 6 8 10 12 14 16

**Example**

N

L

L L'

Pulse
counter

S0- S0+