TELETASK
trendsetter in domotics

TDS12116   **Digital input interface with 16 input**

Interface to be connected on the AUTOBUS. On the interface up to 16 voltage free input contacts can be connected.
Examples: push buttons, window contacts, motion- and presence sensors (with voltage free contact), output contacts of a security system, etc...

The TDS12116 is also an ideal interface for energy metering in combination with meters with a pulse output.
For example: electricity-, water-, gas meters with an impulse output.

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.

! Remark: Use PROSOFT V3.2.0.76 and TDS12116 firmware 112 or higher for the pulse counter function.

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

Functions

With PROSOFT Suite

AUTOBUS address

Trough rotary switches Tens + Units This interface uses 2 addresses (the hardware set address and the following address)

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

4 modules wide

CONNECTIONS

AUTOBUS

AUTOBUS connector set + patch cable supplied with this unit

Earth

! Through fast-on; very important

POWER CONSUMPTION

Max. 28 mA

DIMENSIONS

72 W x 90 H x 60 D (mm)

NET | GROSS WEIGHT

0,220 | 0,236 kg

PACKAGING CONTENT

TDS12116 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
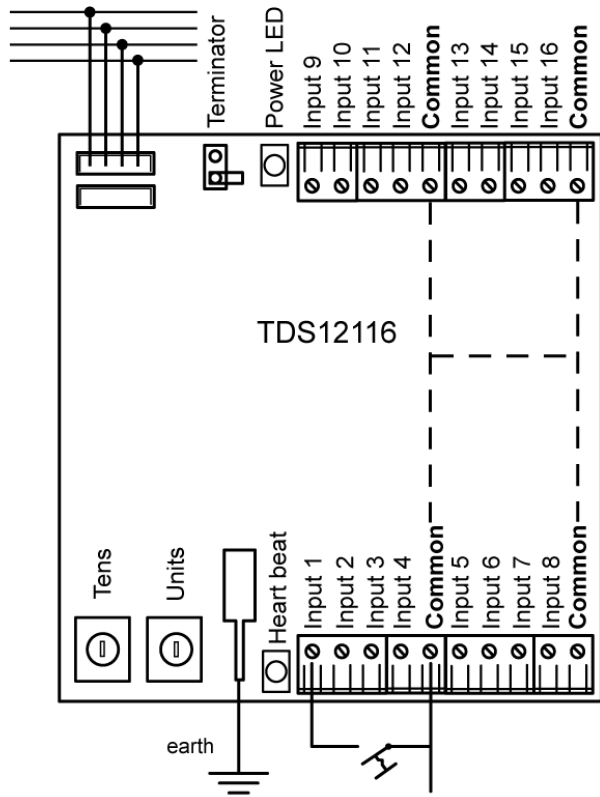
OPERATING RANGE

Temperature

0°C to +50°C max.

Relative humidity

5% to 80% at 25°C (no humidity/condense)

SCHEMATIC DRAWING

AUTOBUS

TDS 12116

TDS12116

Terminator

Power LED

Input 9
Input 10
Input 11
Input 12
Common
Input 13
Input 14
Input 15
Input 16
Common

Tens

Units

Heart beat

Input 1
Input 2
Input 3
Input 4
Common
Input 5
Input 6
Input 7
Input 8
Common

earth

Heart beat timing	Function
2 sec ON, 2 sec OFF...	Stand by
0.1 sec ON, 0.1 sec OFF...	Input received, till communication with central unit
0.5 sec ON, 0.5 sec OFF...	Start up, till communication with central unit