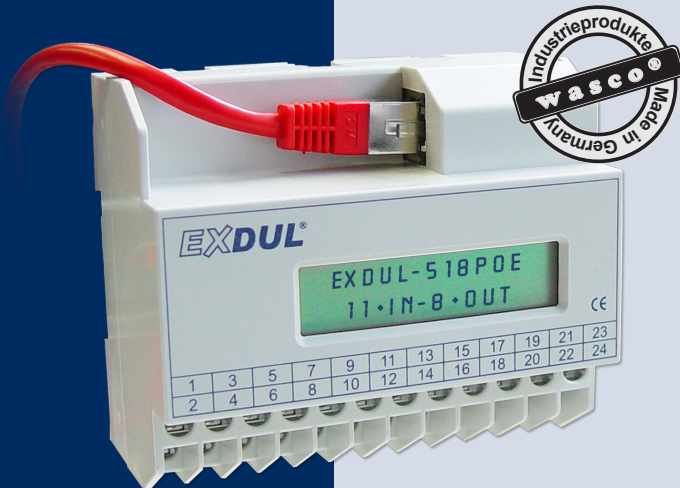


EXDUL-518POE

Ethernet Module with 11 Optocoupler Inputs, 8 Optocoupler Outputs, 6 Counters and LCD Display and Power supply via Power over Ethernet



11 optocoupler inputs

8 optocoupler outputs

6 counters 32 Bit

Programmable logic

Watchdog

LCD display

The EXDUL-518PoE provides 11 digital inputs and eight digital outputs galvanically opto-isolated via high-quality optocouplers. The bipolar inputs are protected with additional overvoltage protection diodes. The outputs, protected with reverse polarity protection diodes, can switch 1A per channel. Six of the 11 optocoupler inputs can also be programmed as hardware-supported 32-bit counter inputs if required.

The module can be powered by both power over Ethernet as via one external voltage source with the emergency agile operating voltage. A programmable LCD display presents I/O status information or user-specific data.

The module provides a 24-pin screw terminal block for connecting the external power supply as well as the input and output optocouplers.

The compact chassis enables the module to be used as a portable device with a notebook. For mechanical or control engineering it can also be easily wall mounted or attached to DIN mounting rail.

SPECIFICATIONS

Digital Optocoupler Inputs

11 bipolar channels galvanically isolated
Optocoupler contact A with one terminal connection each, Optocoupler contact B sharing one terminal

Overvoltage protection diodes

Input voltage ranges

high = 10 ... 30 V

low = 0 ... 3 V

Digital Optocoupler Outputs

8 output channels galvanically isolated
Optocoupler contact A with one terminal connection each, Optocoupler contact B sharing one terminal

Reverse polarity protection diodes

Switchable freewheeling diodes at all of the channels

Voltage CE: max. 30 V

Output current: max. 1A per channel

Switching time typ. 60µs (24V, 100mA)

Release Time: typ. 250µs (24V, 100mA)

Counters

6 hardware supported programmable digital 32-bit counters (6 of the input optocouplers are assigned)

Counting frequency: max. 5 kHz

LCD Display

Matrix display with 2 lines and 16 columns presenting 16 signs each line

Programmable as I/O status display or user specific data display

Power Supply

Power over Ethernet IEEE802.3

or

+10 V...+30 V via external power supply

Ethernet Interface with PoE

10/100Base-T Ethernet Interface

Module connections

1 * 24pin screw terminal

Ethernet RJ45 socket

Ethernet connecting cable

RJ45 network cable Cat6 or later

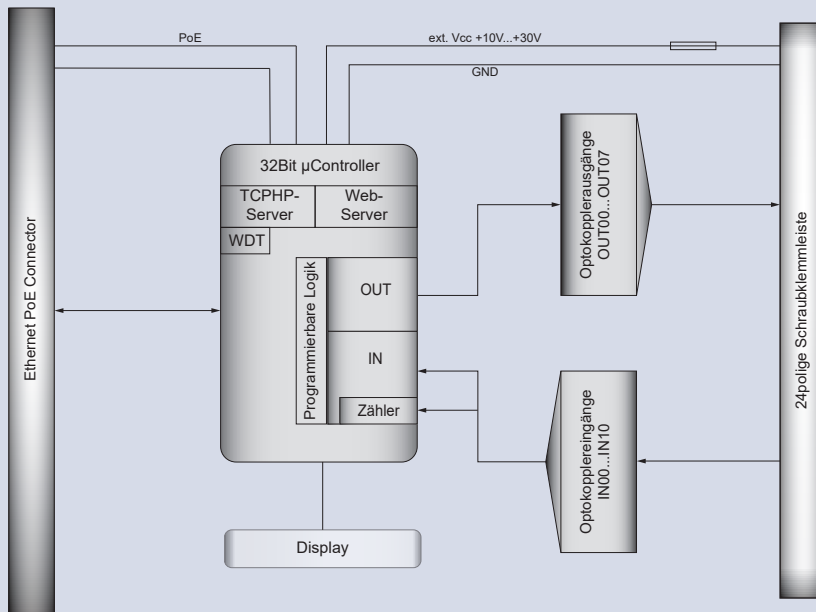
Product dimensions

105 mm x 89 mm x 59 mm (l x b x h)

Casing

Plastic casing with integrated snap-on technology for top-hat rail mounting to DIN EN. Suitable for control and engineering technology mounted to control and distribution boxes, surface mounting or mobile use on a desk.

BLOCK DIAGRAM



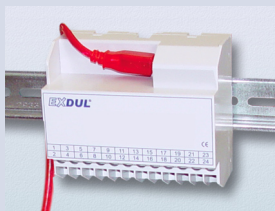
PIN ASSIGNMENT

Terminals Vcc_EXT und GND_EXT are provided for an application of 10 ... 30 V voltage supply.

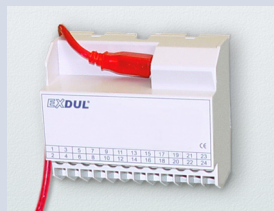
Screw-Terminal CN1

DOUT01+	2	1	DOUT00+
DOUT03+	4	3	DOUT02+
DOUT05+	6	5	DOUT04+
DOUT07+	8	7	DOUT06+
DOUT_D	10	9	DOUT00 .. 07-
DIN01 / Counter1	12	11	DIN00 / Counter0
DIN03 / Counter3	14	13	DIN02 / Counter2
DIN05 / Counter5	16	15	DIN04 / Counter4
DIN07	18	17	DIN06
DIN09	20	19	DIN08
DIN_COM	22	21	DIN10
GND_EXT	24	23	Vcc_EXT

ASSEMBLY AND APPLICATION OP-



Top-hat Rail Mounting



Wall Mounting



Mobile Use on a Desk

PROGRAMMING

Windows®:

Driver and program examples for Java, VB.NET, C++, C#.NET, LabView Tutorial

Linux®:

Driver and program examples for C, C++ and Java (see manual)

Download at:

www.messcomp.com, Section Support - Software

SCOPE OF DELIVERY

Ethernet Module EXDUL-518PoE
Cat.6 Ethernet cable 1 m
German Description (English on request)
Installation and sample programs

ORDER INFORMATION

EXDUL-518PoE EDP-No. A-374550
Ethernet Optocoupler I/O Module

For more detailed information about the here listed and other accessories we refer to the corresponding data sheets

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