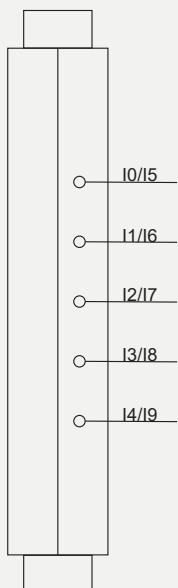# 10 Digital inputs

Main features

✓ **Configurable as dry or wet contact**

✓ **Input activation via external 0-24 VDC or internal ±12 VDC power supply**

✓ **Working modes: input, pulse counter and pulse width time counter**

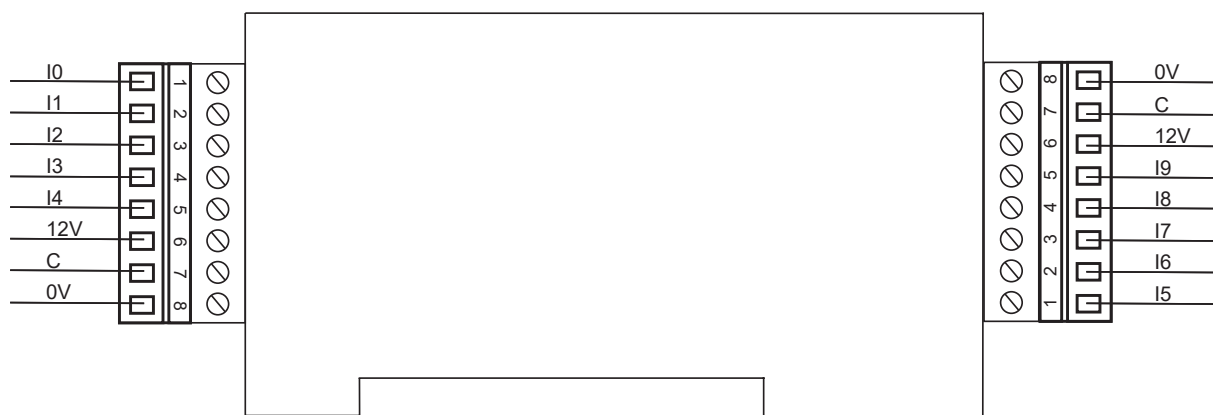✓ **Up to 1 ms pulse reading**

Description

Module of 10 galvanically optoisolated 0-24 VDC digital inputs. Each register takes up 32 bits (4 bytes) which means a counting capacity of 4,294,967,295 pulses. These inputs can work as input reading, pulse counter or pulse width time counter. Each input can be activated via external 0-24 VDC or internal ±12 VDC power supply.

I0/I5
I1/I6
I2/I7
I3/I8
I4/I9

LEDs

LED	Name	Description
I0/I5	Input 0/5	Input 0 activated: Blue Input 5 activated: Green Input 0 and 5 activated: White
I1/I6	Input 1/6	Input 1 activated: Blue Input 6 activated: Green Input 1 and 6 activated: White
I2/I7	Input 2/7	Input 2 activated: Blue Input 7 activated: Green Input 2 and 7 activated: White
I3/I8	Input 3/8	Input 3 activated: Blue Input 8 activated: Green Input 3 and 8 activated: White
I4/I9	Input 4/9	Input 4 activated: Blue Input 9 activated: Green Input 4 and 9 activated: White

Connection diagram

Technical features

Category	Parameters	Value
Power circuit	Consumption	1 W (max.)
Environmental conditions	Operating temperature	-25…50 ºC
	Relative humidity	5…95 %
	Maximum working altitude	2000 m
Mechanical characteristics	Enclosure material	Self-extinguishing V0 polycarbonate
	Protection grade	IP20 (assembled)
	Dimensions (Width x High x Lenght)	17,5 x 88,5 x 48 mm (1 DIN rail module)
	Weight	68 g
	Mounting	DIN rail 46277 (EN 50022)
	Connectors	Pluggable terminals, max. wire section 1,5 mm²
Electrical and safety features	Electric shock protection	Double insulation (assembled)
	Appliance class	Class II
	Insulation	3 kVac
Digital inputs	Type, number and voltage	10 digital inputs 0-24 Vdc
	Isolation	Galvanically optoisolated
	Minimum voltage and current	0 Vdc / 160 uA
	Maximum voltage and current	30 Vdc / 12 mA
	Input sensitivity	0-7 Vdc: 0; 8-30 Vdc: 1
	Minimum pulse duration	1 ms
	Counters	10 counters of 32 bits / Freq. max 250 Hz
User interface	LEDs	5 leds