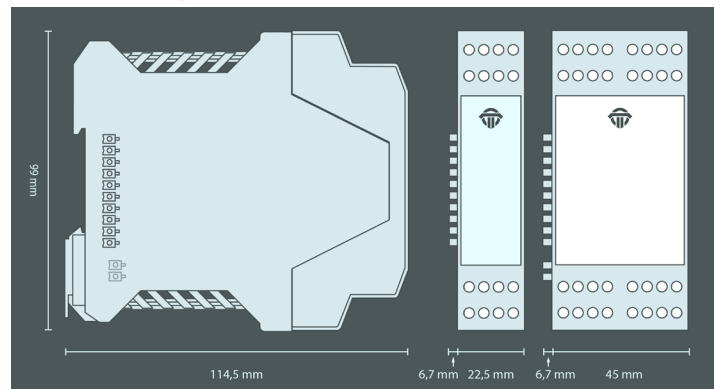# isNet DIO4 / DIO8
Digital I/O Ethernet Module

The isNet DIO is a Digital Input/Output expansion module for the isNet Line. The module exists in 2 versions, one with 4 and one with 8 I/O channels. Each channel consists of one 4-pin screw terminal, with one Input and one Output per terminal. Every channel is galvanically isolated individually.

The module does not only read or write binary logic levels, but every channel can also be configured to operate with more sophisticated functions like counter, timer, frequency measurement or PWM output. The resulting process variables are directly accessible over Profinet or Modbus-TCP.

Technical details	4-Channel isNet DIO4	8-Channel isNet DIO8
Connectors	4 screw type terminals	8 screw type terminals
LxWxH in mm	114,5 x 22,5[(1)] x 99	114,5 x 45[(1)] x 99
Power consumption	1 W	1 W
Weight	140 g	250 g
Temperature range	- 40° C <= T_{amb} <= 70° C / - 40° F <= T_{amb} <= 158° F	
Storage temperature	- 40° C <= T_{amb} <= 85° C / - 40° F <= T_{amb} <= 185° F	
Pollution degree	2	
Altitude	up to 2000 m	
Wire size	0,2 mm^2 ... 2,5 mm^2/AWG24 ... AWG 12 [(4)]	
input-voltage range/ -frequency	-30V ... 30V / 100 Hz (max.)	
switching levels	0= -30V ... 5V / 1= 15V ... 30V	
Digital Outputs	ON= resistance: < 1 Ohm; maximum current: 500 mA	
(switching frequency: 100 Hz)	OFF= resistance: > 40 MOhm; maximum voltage: 30V	
Order code	19300-1301	19300-1404

[(1)] Dimensions without lateral plugs
[(4)] Cable entries and field wiring must be suitable for an operating temperature of at least +20°C above ambient.