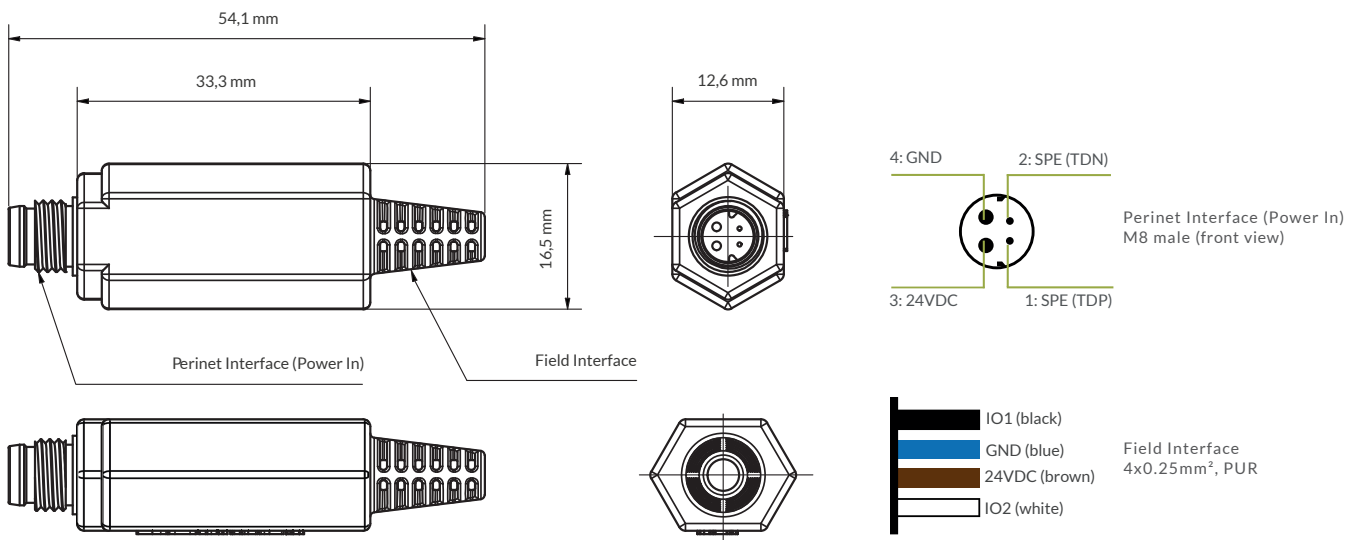# periNODE GPIO

Part no.: PRN.000.010

Key Features

— IPv6 TCP/UDP connectivity

— HTTP-Server hosting web-GUI with sensor values and configuration page

— RESTful API for access to sensor values and configuration

— Sensor value via MQTT

— Zeroconf networking

— mDNS resolving unique periNODE-hostname

— DNS Service Discovery for https service

— Security through end-to-end encryption

Dimensional Drawing & Pinout

54,1 mm

33,3 mm

12,6 mm

16,5 mm

Perinet Interface (Power In)

Field Interface

4: GND

2: SPE (TDN)

3: 24VDC

1: SPE (TDP)

Perinet Interface (Power In)
M8 male (front view)

IO1 (black)
GND (blue)
24VDC (brown)
IO2 (white)

Field Interface
4x0.25mm², PUR

This periNODE smart adapter has 2 in-/output channels and connects directly to sensors or actuators with 24V GPIO via a 4*0.25mm^2 cable. It turns the analogue, passive sensor or actuator into a smart, active network participant that communicates via ethernet with any IT-system or data hub. periNODE permits the configuration of data communication intervals to meet user-specific demand, thereby reducing network traffic and redundant data collection.

Area of application

periNODE GPIO facilitates a wide variety of IoT and IIoT use cases.

Please note that periNODE is not designed for real-time or safety-critical applications.

Supported devices

i.a. all types of switch contacts or proximity switches

Technical Specifications

Perinet Interface

Type	M8 male connector according to IEC 63171-6:2020 (style 6P-M8C without shielding)
Communication	100BASE-T1 Single Pair Ethernet (IEEE 802.3bw)
Power	24VDC input

Field Interface

Type	4x0.25mm², PUR, open-ended cable
Signal	24VDC
Power	24VDC output

Housing

Material	Hotmelt
Protection Class	IP67
Temperature Range	-40°C...+70°C
Electromagnetic Compatibility (EMC)	Immunity for industrial environments (EN 61000-6-2:2005, EN 61000-6-2:2005/AC:2005)
	Emission standard for industrial environments (EN 61000-6-4:2007, EN 61000-6-4:2007/A1:2011)
Compliance	CE, RoHS, WEEE