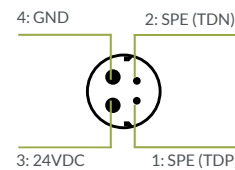
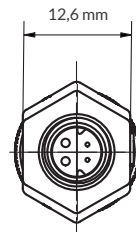
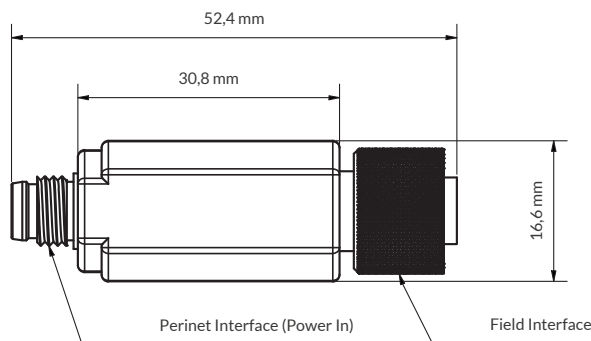




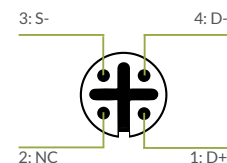
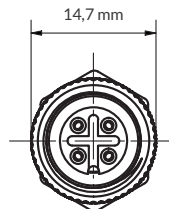
Key Features

- 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



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



Field Interface
M12 A-coded female (front view)

This periNODE smart adapter connects directly to sensors with Pt100 3-wire signal output and M12 A-coded 4-pin connectors.

It turns the analogue, passive sensor into a smart, active network participant that delivers digital data including physical unit via ethernet to any IT-system or data hub for further processing and analytics.

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 Pt100 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 sensors

i.a. WIKA mini resistance thermometer TR33-Z-P3



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	M12 A-coded female 4-pin connector
Signal	Pt100 3-wire
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

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