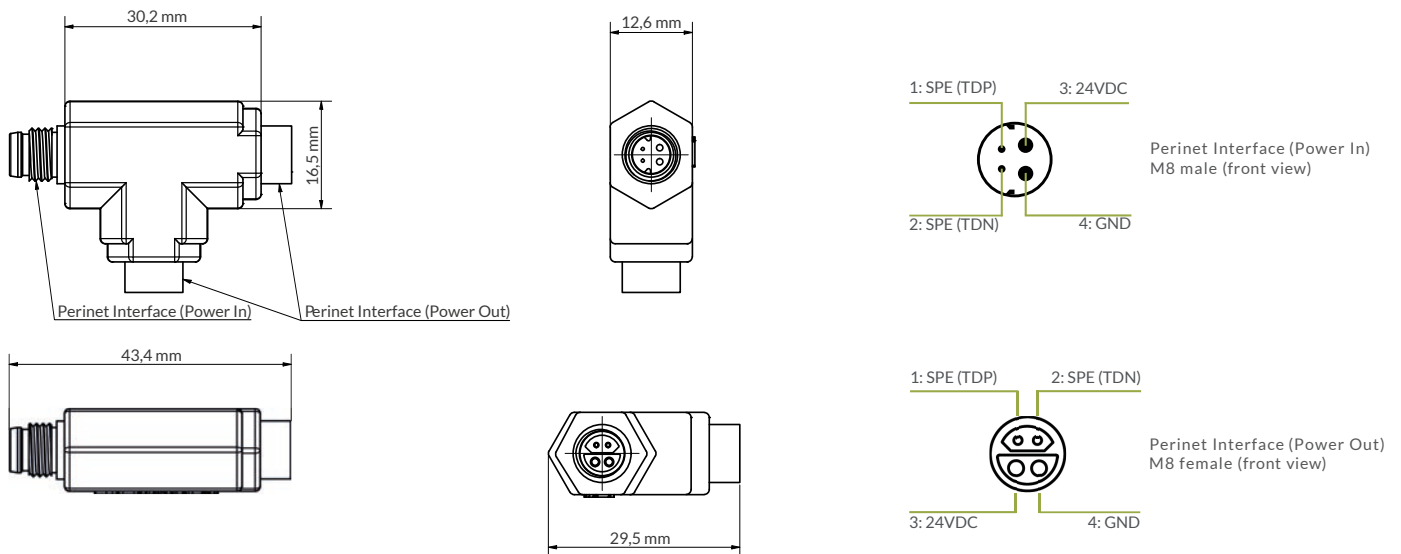**Perinet**
Seamless IoT Connectivity

Key Features

— 1 hybrid IN (power and data)

— 2 hybrid OUT (power and data)

— Facilitates series connection

— Enables field-level subdistribution

Dimensional Drawing & Pinout

30,2 mm
16,5 mm

Perinet Interface (Power In)   Perinet Interface (Power Out)

12,6 mm

43,4 mm

29,5 mm

1: SPE (TDP)   3: 24VDC

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

2: SPE (TDN)   4: GND

1: SPE (TDP)   2: SPE (TDN)

Perinet Interface (Power Out)
M8 female (front view)

3: 24VDC   4: GND

This periSWITCH 3-port switch facilitates the series connection of multiple sensors and/or actuators.
It, thereby, adds flexibility to the Perinet Seamless IoT Connectivity system by enabling easy and straight-forward extension and adaptation to any given use case, setting or environment, from industrial production lines to commercial applications and smart buildings, to name but a few.

Area of application
periSWITCH 3-port is designed for IoT and IIoT use cases that require sensors and actuators connected in a line topology.
Please note that periSWITCH is not designed for real-time or safety-critical applications.

Technical Specifications

Perinet Interface (Power In)

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
Input Voltage	24VDC (+/-10%)
Consumption	Average 528mW (max. 2A troughput current)

Perinet Interface (Power Out)

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