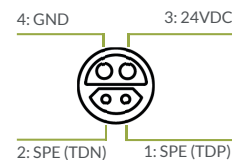
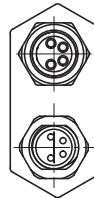
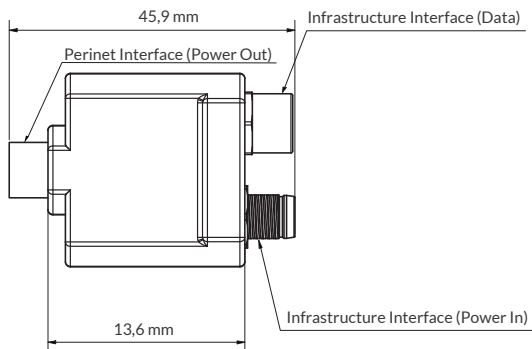
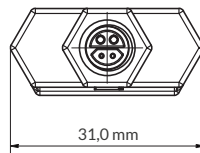
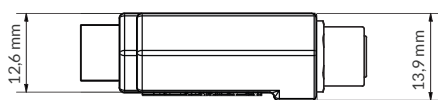




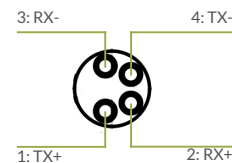
### Key Features

- Conversion between BASE-TX and BASE-T1
- 24VDC power feed
- Bundles data and power for reduced cabling
- Power and data infrastructure connectivity with standard M8 connectors

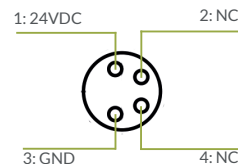
## Dimensional Drawing & Pinout



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



Infrastructure Interface (Data)  
M8 A-coded female (front view)



Infrastructure Interface (Power In)  
M8 A-coded male (front view)

This periSTART media converter is the interface between your existing infrastructure and the Perinet Seamless IoT Connectivity system. It converts between Fast Ethernet (BASE-TX) and Single Pair Ethernet (BASE-T1), thereby enabling seamless communication between the field level and your IT-system or data hub, and provides a 24VDC feed to attached sensors and actuators. periSTART bundles data and power supply and transmits both to the Perinet Seamless IoT Connectivity system via the 4-wire periLINE hybrid SPE cable.

### Area of application

periSTART Standard connects to your infrastructure via standard M8 connectors.

It is the starting point to your field-level sensor and actuator network to facilitate a wide variety of IoT and IIoT use cases.

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



## Technical Specifications

### Perinet Interface (Power Out)

Type	M8 female connector according to IEC 63171-6:2020 (style 6P-M8C without shielding)
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Communication	100BASE-T1 Single Pair Ethernet (IEEE 802.3bw)
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Power	24VDC output
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### Infrastructure Interface (Data)

Type	M8 A-coded female connector
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Communication	100BASE-TX Fast Ethernet (IEEE 802.3u)
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### Infrastructure Interface (Power In)

Type	M8 A-coded male connector
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Input Voltage	24VDC (+/-10%)
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Consumption	Average 528mW (max. 2A throughput current)
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### Housing

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