

Controller PTF-SUB3



Optimal for flexible warehouse processes

PTF-SUB3 is an **innovative** and **flexible controller** for Pick-by-Light/Pick-to-Light systems with an **integrated power supply**. It supplies the shelf displays with power and establishes communication between the shelf displays and the host and/or system accessories.

PTF-SUB3 is specially designed for use in picking zone layouts that are frequently changed, such as in supermarkets or in production logistics.

Reliable power supply

PTF-SUB3 supplies the Pick-to-Light shelf displays with up to 150 W and, thanks to its wide-range power supply (85–265 VAC, 47–63 Hz), can be used worldwide. At the same time, the no-load power consumption remains minimal.

Efficient interfaces

In addition to PROFINET/PROFIBUS, the controller also supports standards such as Ethernet, RS 485 and RS 232 (e.g. for peripheral devices such as scanners etc.).

Safe and easy to use

All connections – from the power plug to the PTF bus cables – are designed as self-locking or lockable plug connections. **The advantage** of this is that the device no longer needs to be opened for installation, configuration or layout changes to the Pick-to-Light system.

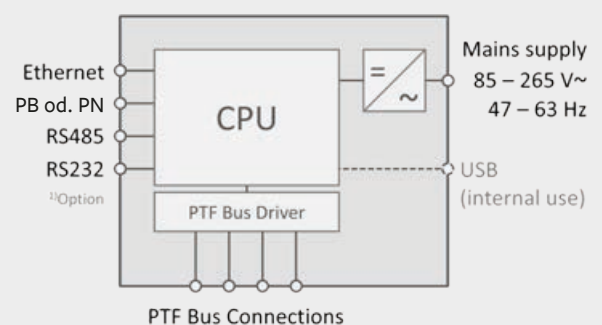
Modern operating system

PTF-SUB3 is based on a Linux operating system. This makes it possible to use both the Device Manager and application software on-device, providing greater flexibility and user-friendliness.

Intelligent monitoring and diagnostics - for maximum reliability

- Simple configuration and diagnostics via a web interface.
- Six Status LEDs and additional LEDs on the Ethernet and Profi-Bus connections make on-site diagnostics easier.
- Jumpers and DIP switches for hardware configuration are safely protected behind a cover.
- Important status characteristics such as voltage, temperature and communication status are continuously monitored and reported in real time to the control software – for maximum operational reliability.
- Integrated diagnostic function that can be used to quickly localize and rectify network failures or communication problems.

Block diagram of PTF-SUB3



Controller PTF-SUB3

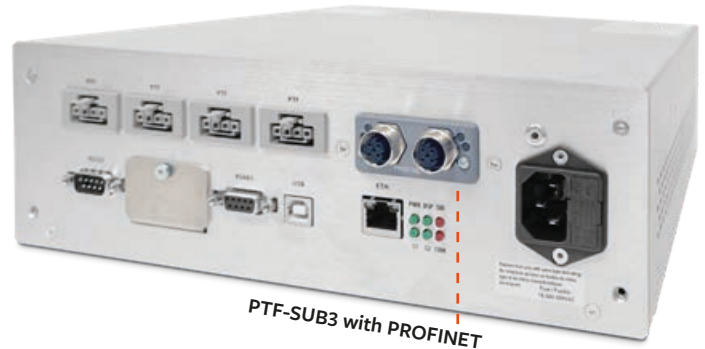
Now with PROFINET

PTF-SUB3 is now also available with PROFINET – the secure communication standard for industrial automation. This makes it possible to:

Seamless integration: PROFINET is based on Ethernet and enables easy integration and compatibility with existing automation networks. Devices from different manufacturers can be easily integrated.

High system performance: Thanks to modern Ethernet technology, data can be transmitted quickly and reliably, ensuring stable communication even in complex applications with many connected devices and sensors.

Flexibility: The high degree of scalability supports both small and very large networks. This enables flexible adaptation to different system situations.



Real-time communication: Control commands, synchronization and status messages are transmitted accurately in real time.

Redundancy and fault tolerance: PTF-SUB3 with Profinet enables automatic switchover to a redundant communication path in the event of a network fault, thus preventing any downtime.

Future-proof: Thanks to the widespread use of PROFIBUS and PROFINET, PTF-SUB3 can be easily integrated into existing systems and provides a flexible basis for future expansions.

TECHNICAL FACTS PTF-SUB3

Compact controller with PROFINET / PROFIBUS

- Dimensions: H: 280 x W: 280 x D: 90 mm
- Power supply: 85-265 VAC, 47 – 63 Hz
- Interfaces: USB, RS232C, RS 485 or Ethernet
- Fieldbus-Interface: PROFIBUS or PROFINET
- Power supply: Integrated 150 W power supply for shelf displays
- Connections: 4 PTF bus connections
- Status displays: 6 Status LEDs for direct control and on-site diagnostics



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