PROFINET Agent - "Agent Blond"

Function

The PROFINET Agent – "Agent Blond" combines the functionality of a PROFINET measurement point with PROFINET analysis. In doing so, relevant parameters—such as missing update rates ("telegram gaps")—are recorded, which accelerates the identification of actual weak points within the PROFINET system.

The evaluation of the recorded data does not take place on the device itself; instead, all data is transferred to the PLC.

The PROFINET Agent is intended to be permanently installed within the network connection between the PLC and the first switch, as this connection carries the cyclic PROFINET communication to all PROFINET devices. Two network ports (X2P1 and X2P2) are available for this purpose.

To enable a non-intrusive connection of an analysis tool (e.g., PROFINET-INspektor® NT) for deeper network analysis, two mirroring ports (X3P1 and X3P2) are provided.

Technical data

Network connection
- Device Port X1:   1 x 10/100Base-TX RJ45 port
- Monitor X2:   2 x 10/100Base-TX RJ45 ports
- Mirroring X2:   2 x 10/100Base-TX RJ45 ports
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- Input voltage: V DC ±10%
- Max. current consumption: 150 mA
- Max. power dissipation: 4 W
- Output voltage: 24 V DC (max. 1 A)
- Operating temperature: +5 °C to +55 °C
- Storage temperature: 15 °C to +75 °C
- Humidity: 10 to 90 %, non-condensing
- Mounting: TS35 DIN rail (EN 50022)
- Protection class: IP20
- Network interface: RJ45

General data
- PROFINET analysis: IRT (unicast), RT, RT over UDP/IP
- Protocols / Services: PROFINET RTC, PROFINET RTA, PROFINET RPC, PROFINET DCP
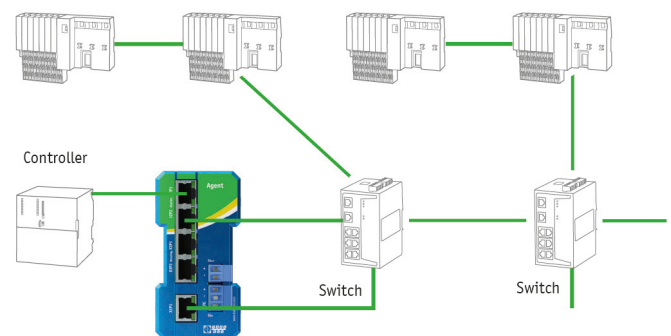
Note about the connection

When connecting the PROFINET-INspektor® NT via the PROFINET Agent, only patch cables are required.

In the event of a power supply failure of the PROFINET Agent, PROFINET communication will continue uninterrupted through the agent.
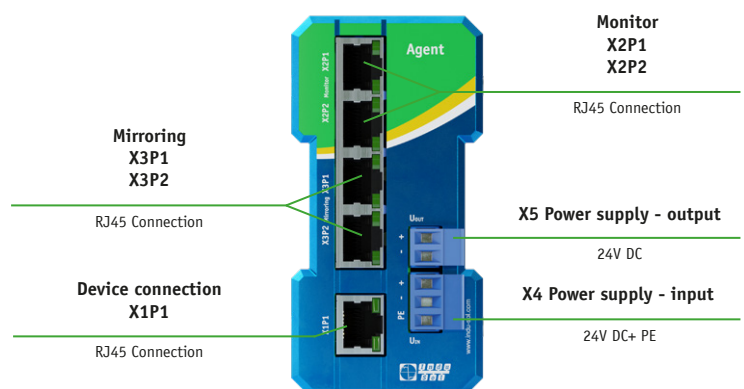
The UOUT (24 V DC) port can be used to supply power to additional analysis tools.

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Example of use

Device connections

Ordering details	Art.-No.
PROFINET Agent - " Agent Blond"	124030300
StarterKIT PROFINET Agent - " Agent Blond"	124030301

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