

PROCENTEC

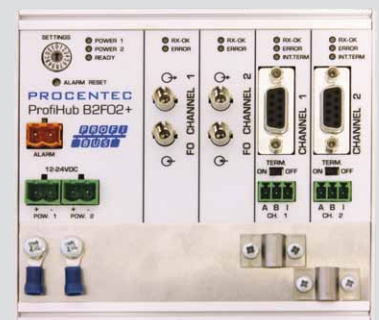


ProfiHub B2FO2+

PROFIBUS Fiber Optic Coupler

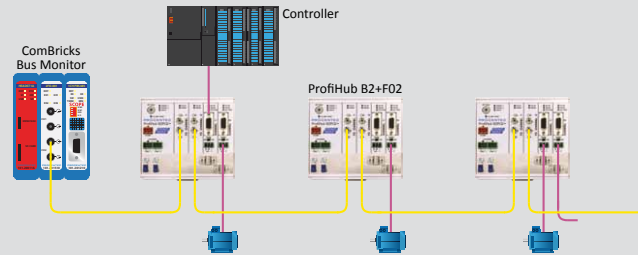
The ProfiHub B2FO2+ is an economic solution to convert PROFIBUS fiber optic to RS 485 copper segments and vice versa. The ProfiHub B2FO2+ is designed to be a part of the communication backbone of your fiber optic PROFIBUS DP network. The increased functionality of spur lines, and isolated segments create a network component which reduces all of the costs associated with the most common network communication issues.

The ProfiHub B2FO2+ is designed with the unique functionality of two galvanic isolated transparent repeaters and an optical link module in one device. It supports multiple fiber optic topologies; point-to-point, bus and star. The B2FO2+ allows network structures with two extended spur lines that individually can handle a maximum of 31 devices and a length equal to the main bus. Both copper segments have DP - RS 485 specifications. Because the B2FO2+ creates isolated segments, the devices can be removed and added during operation. Also electrical bus problems and EMC disturbances in a spur do not spread to the other segments. The intelligent logic and isolation circuits of the ProfiHubs do not change the bit width. This means the ProfiHubs do not have limitations in serial placement.



Application areas

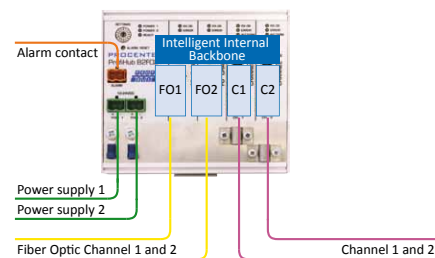
- Dynamic spur lines to actuators, flow meters and pH analyzers
- Removable drives and motors
- Pull/plug motor control centers
- Roof mounted devices in tank farms
- Barrier for non-galvanic isolated equipment
- Networks with requirement for high availability
- Large structured networks



Creating a fiber optic backbone increases network reliability and network overview. It is also possible to mix ProfiHubs with ComBricks.

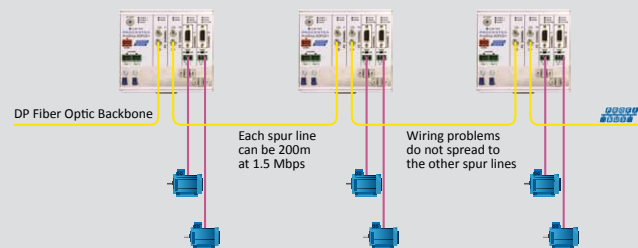
Your benefits

- Hot slave insertion and removal during operation
- Short circuit protection on each channel
- Option to create a redundant path to other supporting Hubs or ComBricks
- Compact and robust construction
- Status and error display
- Suitable for all PROFIBUS DP cables
- Conveniently arranged networks
- On-board DB9 female connector on each channel



Product features

- 2 Galvanic isolated outgoing channels
- Transparent for all PROFIBUS DP protocols
- DP - RS 485 specifications for each channel
- Cable redundancy (for channel 1 and 2)
- 9.6 Kbps to 12 Mbps
- 31 Devices per channel
- 1200m Spur line length (for copper channel 1 and 2)
- Redundant power supply
- Alarm contact
- IP 20 classification
- 2 Fiber optic channels
- 3000m Cable length (for FO channel 1 and 2)
- Point-to-point, star and bus topologies
- 4 ST/BFOC connectors



Long spur lines to instruments and the possibility to remove/insert them during operation. Short circuit protection on each spur line is automatically provided.

