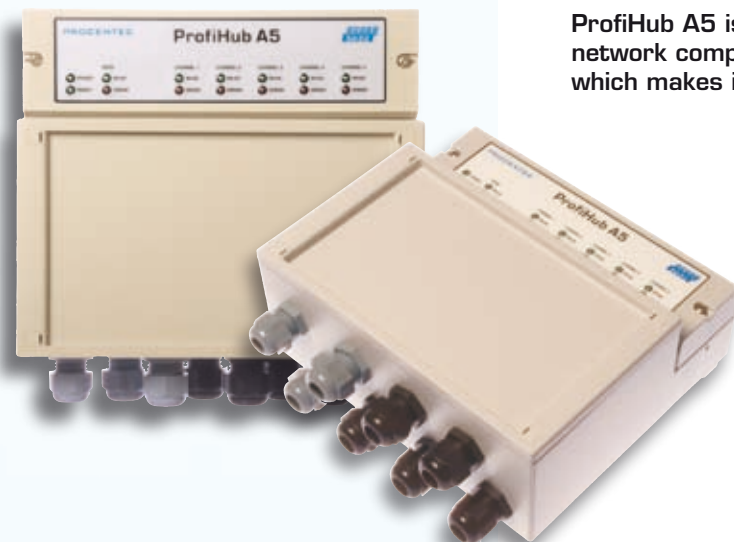


ProfiHub A5

5 Channel PROFIBUS DP Spur and Repeater Component



ProfiHub A5 is an advanced flexible and robust network component for PROFIBUS DP installations, which makes it possible to implement long multi-device spur lines and backbone structures with star/tree segments.

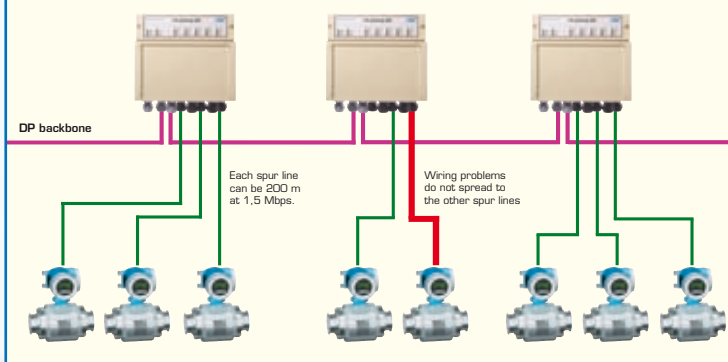
PROFIBUS DP is a high speed communication bus that has to comply with strict rules concerning spur lines, because of possible reflections that could lead to communication disturbances. If spur lines or star segments are required, costly investments in repeaters have to be done.

The ProfiHub A5 is a perfect economic solution to implement reliable spur lines in high speed DP networks. It has the functionality of 5 galvanic isolated transparent repeaters. This allows network structures with extended spur lines that individually can handle a maximum of 31 devices and a length equal to the main bus.



Dynamic Spur Lines

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



Product features

- 5 Galvanic isolated channels (repeater segments).
- Transparent for all PROFIBUS DP protocols
- DP - RS 485 specifications for each channel.
- 31 devices per channel.
- 9,6 Kbps to 12 Mbps (automatic detection).
- 1.200 m spur line length (depends on transmission speed).
- No limit in serial placement or cascading of ProfiHubs.
- No Address is required.
- Integrated termination facilities (switches).
- Configurable grounding system (direct or capacitive).
- IP 65 classification (according to DIN 40 050).



Create reliable, flexible and object oriented DP installations with the ProfiHub A5.

PROCENTEC

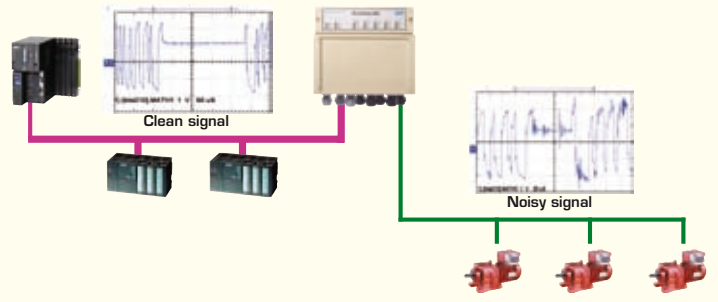
www.procentec.com/profihub



The ProfiHub A5 is essential to obtain more control during maintenance and upgrading of the network.

Barrier for non certified or EMC sensitive devices

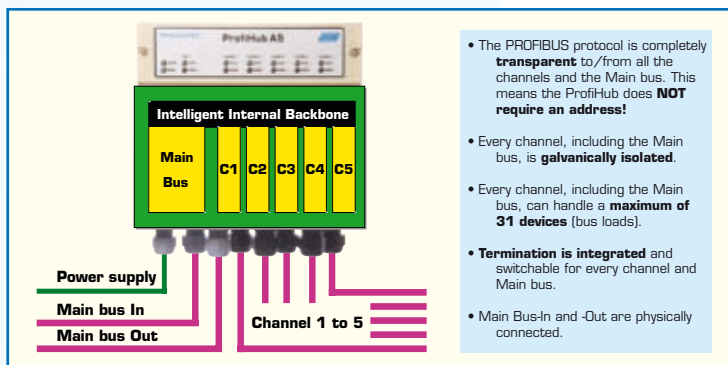
Because of the isolation and intelligence the ProfiHub provides, it can be used as a barrier for electrical sensitive segments. This keeps the backbone and other channels clean.



Application Areas

- Dynamic spur lines to actuators, flow meters and pH analyzers.
- Removable drives and motors.
- Pull/Plug motor control centers (drawers).
- Outdoor applications with device and cable stress.
- Roof mounted devices in Tank Parks.
- Dirty and Humid environments.
- Barrier for non galvanic isolated equipment.
- Large star/tree structured networks.

ProfiHub structure



- The PROFIBUS protocol is completely **transparent** to/from all the channels and the Main bus. This means the ProfiHub does **NOT** require an address!
- Every channel, including the Main bus, is **galvanically isolated**.
- Every channel, including the Main bus, can handle a **maximum of 31 devices** (bus loads).
- **Termination is integrated** and switchable for every channel and Main bus.
- Main Bus-In and -Out are physically connected.

Your Benefits

- Hot slave insertion and removal during operation.
- Short circuit protection on each channel.
- Compact and robust construction.
- Status and error display (per channel).
- Standard glands can be replaced with M12.
- On-board DB9 female connector for maintenance activities.
- Suitable for all DP cables.
- Conveniently arranged networks.
- Easy extendable installations.
- Cost Savings.



Your Distributor

PROCENTEC

www.procentec.com/profihub

Distribución: ER-SOFT, S.A. Email: er@er-soft.com, Tel: +34 916 408 408