

# PROCENTEC



## ComBricks

PROFIBUS Single-Mode Fiber Optic Ring

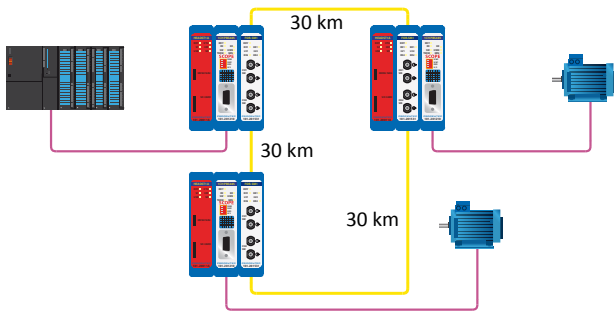
The ComBricks Fiber Optic Ring module for single-mode technology (ComBricks FO Ring SM) ensures reliable optical data transmission in PROFIBUS networks. This multifunctional module is specifically designed by PROCENTEC to create optical redundant ring topologies with single-mode fiber optics. It allows long cable distances up to 30 km and a galvanic isolation between devices and segments. The ComBricks FO Ring SM module is especially suitable for applications in heavy EMC environments such as water treatment, mines and tanks.

The ComBricks FO Ring SM module contains diagnostic LEDs which indicates the detection of a low level on the optics. Just like any other communication module, the channels are connect directly to the ProfiTrace OE core in the Head Station. An advanced email functionality will alert you when faults like low level or broken ring arise. Because busmonitor data is directly available in the web server, it allows technicians to optimal maintain a PROFIBUS installation. ComBricks FO Ring SM can be placed side by side with repeater modules allowing spur line diagnostics. It can also easily be used as a fully dedicated fiber optic modules mixed with copper segments. The advanced 12 Mbps core of the fiber optic module can be cascaded unlimited with other fiber modules.

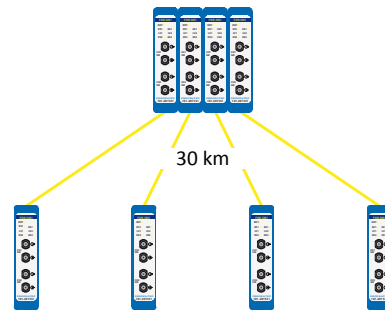




## Applications



Ring structure with single-mode fiber optics.



Point-to-point in a hub topology with single-mode fiber optics.

## Product features

### Fiber optic characteristics

- 2 Fiber channels (single-mode)
- Max. 30 km cable length
- Ring, point-to-point and line topologies
- 4 ST/BFOC connectors
- Single-mode cable G9 / 125 (OS1) - 1310 nm
- Ring redundancy (switchable)
- No limit in cascading

### ComBricks characteristics

- Low level display
- Event emails

### Protocol

- Transparent for all PROFIBUS protocols
- 9.6 kbps - 12 Mbps (auto detection)
- No address required

### Backplane

- 4 Networks selectable with switches
- 10 Modules (positioned in the first 10 slots)

### Others

- Required Head Station firmware: at least version 1.275
- Operating temperature: 0 .. 60 °C
- Dimensions: 115 x 100 x 25 mm (without backplane)
- Weight: 122 g

