PROFINET Switch PROmesh P9 Art. No.: 114110020

The Indu-Sol PROFINET Switch PROmesh P9 is the first Full-PROFINET Switch that is equipped for the increased performance requirements in the PROFINET and conforms to Conformance Class B and Netload Class III requirements. This functionality makes it possible to integrate the switch into the automation system (Step7, TIA Portal) by an engineering tool in order to make a comprehensive network diagnostic feasible. This feature supports numerous necessary and useful functions as opposed to standard switches:

- Sending of device diagnostics to the controller (PN-RTA)
- Neighbourhood detection (LLDP)
- Port-related network statistics (PDEV)
- Network diagnostics via IT mechanisms (SNMP)
- Higher availability thanks to ring redundancy (MRP)

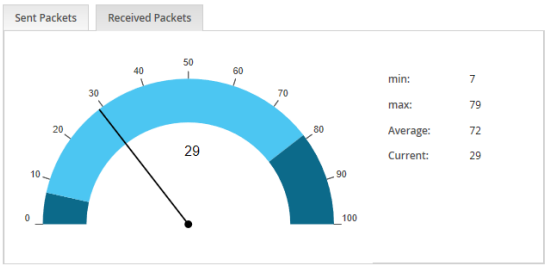
With its optimised shielding contacts in the RJ45 jacks and leakage current monitoring, the PROmesh series not only meets the requirements for PROFINET functionality but also fulfils highest demands for EMC resistance in the industrial environment.

Highlights

- Full PROFINET functionality (Conformance Class B)
- Netload Class III Certification (highest requirement for high network traffic ruggedness)
- Leakage current monitoring, incl. frequency spectrum
- Optimised shielding contact of ports
- Graphic display of the port utilisation (with millisecond precision)

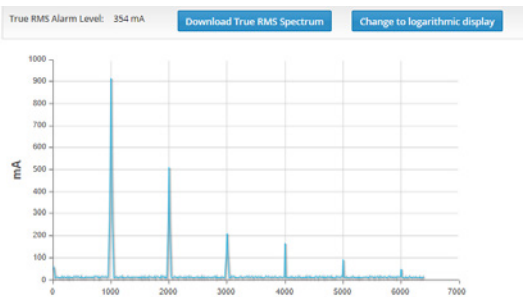
Network utilisation with millisecond precision

In PROFINET networks even briefest peaks in the network utilization can lead to a malfunction in the data communication and thus cause faults. To properly detect these network peaks, the PROmesh series determines the network utilisation with millisecond precision and presents them graphically on the web interface or issues an appropriate alarm if exceeded.



Leakage current monitoring

Leakage current monitoring makes it possible to permanently record and evaluate the sum of all shielding currents of the PROFINET lines. The corresponding spectrum with the respective frequency components is specified for this in addition to the current value. Using this integrated function, the PROmesh series also offers mechanisms for detecting EMC faults or couplings in addition to the complete PROFINET diagnostics.



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