Reliable networking under the the most difficult usage conditions

Robust IP67 Ethernet and PROFINET switches expand the portfolio at Helmholz

Constantly growing amounts of data, increasingly intense pressure for efficiency, and the necessity for the highest standards: with the increasing automation of industrial systems, the requirements of the network infrastructure are also increasing. With the new IP67 switches from Helmholz, fail-safe networks can be realized under the most difficult conditions in the most varied usage scenarios.

Switches provide the basis for the exchange of data between controllers, PLCs, and other network participants. They are thus among the most important network components of modern systems – also in terms of numbers. Even the most minor optimizations therefore have a noticeable effect on these components.

Robust IP67 switches – managed and unmanaged

The new product line from Helmholz encompasses M12 switches in IP67 protection category for Ethernet and PROFINET. The two new IP67 switch models are equipped with a robust and durable plastic housing, so that this can be used in a variety of environments from –40 °C to +75 °C. The components are water-resistant, dust-proof, and offer reliable data communication, as well as a high degree of failure safety. Thanks to the possibility for decentralized assembly direct in the field, the effort involved in wiring between the switch cabinet and individual Ethernet components is clearly reduced.

Both the Ethernet and the PROFINET switch are ideally suited for assembly without switch cabinets.

Once plugged in, the IP67 switch is immediately ready for operation thanks to the simple plug & play solution and ensures quick installation that saves time.

PROFINET switch, managed, IP67

Whether web query, FTP file transfer, media stream, or a PROFINET frame – important frames are directly prioritized in the event of a high transmission load, thus preventing frame losses. This means clear and unambiguous segmentation.

Ethernet switch, unmanaged, IP67

The unmanaged Ethernet switch is suitable for PROFINET networks. The LLDP and PTCP Delay-Traffic blocking functions are correctly handled with the switch pursuant to the PROFINET standard. The unmanaged Ethernet switch thus corresponds with the PROFINET Conformance Class A.

Summary

With current solutions from Helmholz, the high requirements of industrial networks in times of increasing automation can also be securely and efficiently fulfilled. With the expansion by the M12 switches in IP67 protection category for Ethernet and PROFINET, Helmholz increases the attractiveness of its existing portfolio and directly provides you with the perfect automation solution from one source.

You can find more information on the switches and network components from Helmholz at:
www.profinet-switch.com