

Suco's new Plus-Series mechanical pressure switches size hex 24 (nut dimension) are available in normally closed or normally open versions with integrated connectors. They are designed to comply with IP67 or IP6K9K, depending on the connector.



INTELLIGENCE A PLUS

Suco introduces Plus-Series pressure switches with intelligent supplementary functions

Suco Robert Scheuffele GmbH & Co. KG launched its new Plus-Series mechanical pressure switches size hex 24 (nut dimension) with intelligent supplementary functions.

Marcell Kempf, Suco's technical director, said the switches in the Plus-Series are available in normally closed or normally open versions with integrated connectors.

"The electric contact in these switches can be easily reached by just putting together the integrated connectors with the counter plug," Kempf said. "Customers don't need to worry any longer about inconvenient cabling or connection troubles."

The Plus-Series is designed to comply with IP67 or IP6K9K, depending on the connector. In the version having an additional resistor connection, Suco said it offers a diagnostic function (fail-safe) with short-circuit and cable break detection. "This version is of special interest for safety systems, as for example brake systems, hydrostatic steering systems or firefighting systems," Kempf said.

The Plus-Series pressure switches are also available in a version with an integrated varistor, which is designed to limit flyback voltage. Kempf said that flyback voltages could occur by switching solenoid valves, relays and other inductive loads. The generated overvoltage protection is designed to extend the contact life cycle.

The pressure switches can also display the switching status via an integrated LED, which is valuable if the control units are installed at a distance from the machines or systems, the company said.

"Along with the actual function of pressure monitoring, the next development step will be temperature-controlled switching," said Peter Stabel, Suco's managing director. "This

function can be very useful for the filter monitoring in hydraulic systems. Thanks to this development, it is easy to avoid the incorrect switch status at low temperatures — and hence high viscosity of the medium, which can hinder the efficient operation of the equipment."

In the future, Suco said it would also offer current limitation for applications such as an engine's soft start or for extreme light bulb loads as well as for capacitor loads. Some of these supplementary functions can be combined within one pressure switch, the company said. *dpi*

FOR MORE INFORMATION
www.suco.de