********Integrate analogue signals in a safe way**

With the new MACX Safety signal conditioners, analogue signals can be easily integrated into safety applications according to the Machinery Directive.

The MACX Safety product range are SIL certified and equipped with a PL d performance level according to EN ISO 13849-1. As such, direct, safe switching of limit values is possible without an additional safety controller. The MACX Safety Ex modules ensure the safe processing of analog intrinsically safe Ex signals. They can be combined with other safety modules and integrated into the safety chain using the Sistema planning software. The relevant characteristics for calculating the performance level are already stored in the database. The products can be configured from the PC using FDT/DTM or via the free-of-charge, stand-alone ANALOG-CONF software, including monitoring function.

The signal conditioners have a patented transmission concept with safe electrical isolation, which provides precise signal transmission. Furthermore, low power consumption and self-heating make for a long service life and high operational reliability across the operating temperature range. Plug-in terminal blocks with screw or push-in connection technology make installation quick and safe. The product range includes repeater power supplies and input signal conditioners as well as universal temperature transducers with safe limit value relays for resistance thermometers, resistance-type sensors, potentiometers, thermocouples, and mV sources.

Ends

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