********Intelligent surge protection for process technology**

Phoenix Contact's Plugtrab PT-IQ surge protection devices for MCR and process technology warn plant operators before protection of the plant is lost. To achieve this, each voltage-limiting component in the protective plugs is continuously monitored. If the performance limit has been reached as a result of frequent surge voltages, this is indicated by a yellow signal on the protective device and via remote signalling. At this time, the arresters are still functional and the plant is protected. However, replacing the component is recommended to prevent unnecessary servicing.

Plugtrab PT-IQ Ex protective devices are available for intrinsically safe areas. These devices can be installed in Ex Zone 2. The intrinsically safe protective circuits can be routed up to Ex Zone 0.

Thanks to multi-level monitoring and signalling, the plant operator always knows the status of protective devices and therefore has an overview of surge voltage protection in the plant. This intelligent surge voltage protection is available with traditional screw connection technology as well as innovative push-in connection technology. A controller supplies up to 28 protection modules with voltage and allows for connection of a central remote monitoring system.

**ENDS**

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