******Active redundancy modules for preventive function monitoring**

The new active redundancy modules in the QUINT product range from Phoenix Contact increase the availability of a system through decoupling and monitoring. The SINGLE ORING modules run the cable to the load redundantly and separately. In combination with the new QUINT POWER power supplies, the redundant system is monitored continuously.

Using preventive function monitoring, the redundancy module informs you about the output voltages of the power supplies, defects in the wiring and the decoupling section, as well as the actual load current. Critical operating states are therefore detected at an early stage. Using the modules saves up to 70% energy, thanks to active decoupling with MOSFET technology.

The modules are suitable up to 40 A and for DC voltages from 12 to 24 V. They feature a narrow design of just 32 mm and are suitable for use on DIN rails. Thanks to the wide temperature range from -40 to +70°C, they are suitable for industrial use. The active redundancy module with protective coating (plus version) also ensures superior system availability under harsh environmental conditions such as dust, dirt, corrosive gases, and 100% humidity. Thanks to OVP (overvoltage protection), surge voltages are limited to 30 V DC and downstream loads are protected against surge voltages.

**ENDS**

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