



DEHN protects.

WAGO telecontrol solutions for monitoring tasks
in power supply systems



Customer



WAGO Kontakttechnik
GmbH & Co.KG

Project overview

Sector

Power generation and distribution

Application

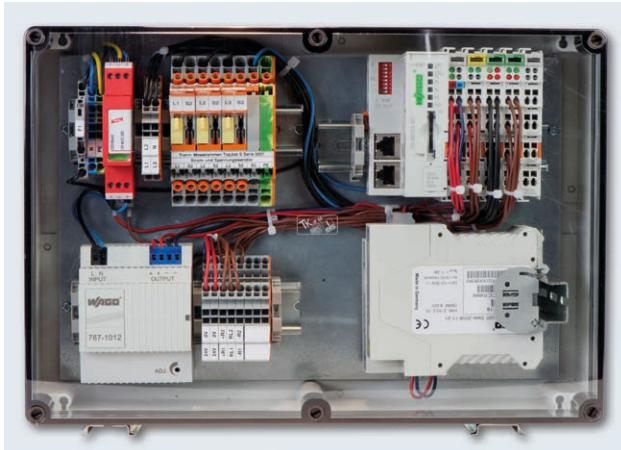
Surge protection for power and information/communication systems in telecontrol solutions

Hardware

- DEHNgate type 2 surge arresters
- DEHNrail type 3 surge arresters

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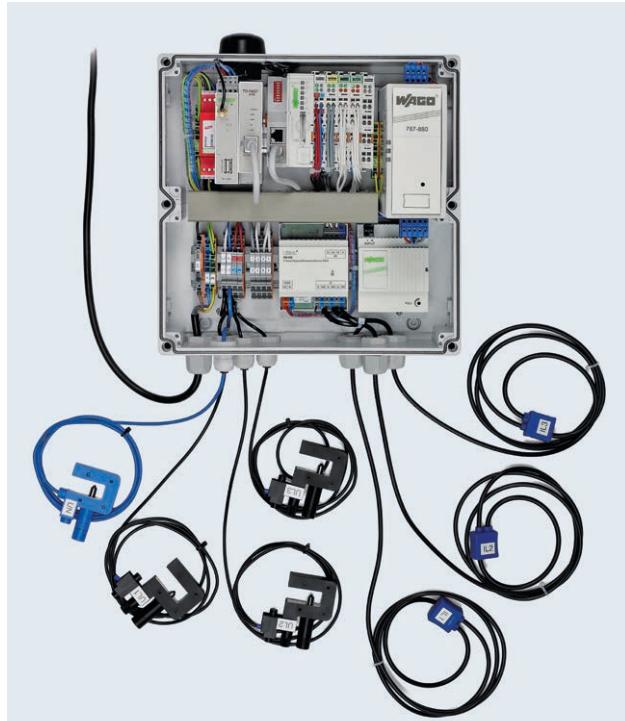
The independent family-run company WAGO is a globally leading provider of electrical interconnection and automation solutions. Based on its long-standing experience, the company develops, produces and distributes innovative solutions for the industrial, process and building automation market. WAGO is a world leader in the field of spring terminals, but also many other of its inventions have established themselves as industrial standard. The "power and process automation" business segment includes special products and solutions for the process, power generation and power distribution market.

Challenge

Voltage control pushes network operators and municipal utilities to their limits due to the increasingly distributed infeed from renewable energy systems into low-voltage and medium-voltage networks. In this context, permanent grid stability is vital. Therefore voltage control must now be performed by transformer substations instead of large power plants. The probability of damage caused by lightning effects or surges increases due to the higher total number of electronic components and intelligent systems in the power supply system. Consequently, a comprehensive overall lightning and surge protection system is required to ensure high availability as well as safe and trouble-free operation.

Solution

WAGO offers measuring, control and telecontrol solutions for intelligent substations from one source, for example, components for network analysis, electronic meters, short-circuit indicators and communication devices. To ensure the required availability, the compact WAGO solution is protected by DEHN surge arresters for power supply systems and arresters which are tailored to wireless applications for coaxial device and antenna interfaces.



Benefits of the DEHN solution

- ➔ Laboratory-tested protective effect
- ➔ Protective devices can be flexibly used – according to the type of installation and customer specifications
- ➔ Modularly expandable system
- ➔ Space-saving DIN rail mounting
- ➔ Floating remote signalling contact for continuous monitoring of operations
- ➔ Optimal technical support and training