

Qualified Digital Multiprotection Relay

Design, Delivery and Installation of qualified Siprotec 5

Framatome's solution for the Qualified Digital Multiprotection Relay ensures a safe and reliable plant operation by using sustainable and latest technology.

Challenge

The increasing demands on monitoring and complex functions are not economically feasible today by using conventional and software-free relays.

Nevertheless, the requirements of a software suitability analysis remain the same, especially for safety-related protection relays.

Solution

- Framatome's solutions for the Qualified Digital Multi-protection Relay is adjustable according to individual and plant-specific requirements
- Protection algorithm covers a large spectrum of protection features such as overcurrent, short circuit, differential, thermal, negative sequence (open phase condition) and unbalanced load protection and more
- Configuration of protection, control and automation functions via Engineering-Software DIGSI 5
- Real-time measurements and comprehensive event logging monitors and analyzes the grid
- The modular design allows expanding to meet changing requirements.

Customer benefits

- Easy Replacement of existing protection relays against Qualified Digital Multiprotection Relay
- Fast project execution by short production times and available test evidences
- Implementation of grid analyses for parametrization
- Reduction of spare parts management



Siprotec 5 Series qualified by Framatome

Key features

- Universally usable for all electrical protection requirements
- Up to 73 protection and automation functions
- Tested according to:
 - IEC 60255, EN61000-6-2, EN61000-6-4
 - IEC/IEEE 60780-323,
 - IEC/IEEE 60980-344 up to 100 m/s²
 - IEC 60880
- State-of-the-art technology
- Flexible and modular
- >10 years operational experience
- Latest standards in cybersecurity
- Long-term availability

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