

AQ 300 series – The high performance protection

AQ 300 relay series integrates a powerful and modern design along with decades of proven relay protection history. AQ 300 provides a long term technology solution for medium-voltage feeder protection and high-voltage line, busbar, generator and transformer protection. AQ 300 series comes with a wide range of protection functions and additional features. The scalability in number of functions and I/O makes it an excellent candidate for any high performance relaying application.

By navigating through AQ 300 series' intuitive colour touch screen HMI users feel comfortable from the very first introduction. Embedded WEB server feature enables use of common web browsers for local or remote setting and data acquisition. Easy to use Windows based engineering tools completes the familiar working experience.

The AQ 300 communicates using variety of standard protocols including IEC 61850 substation communication standard and is certified to comply with 61850-8-1.

AQ 300 - Benefits

Full product range

- Solution for any high performance feeder, transformer, generator, line or busbar protection application
- Integrated protection, control, measurement and monitoring functions

Intuitive HMI

- Easy to use multilingual Touch Screen display
- Fully coloured MIMIC display
- 16 freely configurable multi-colour LEDs with user selectable description texts

Standard or customized configurations

- Factory default configurations provide fast engineering and effective commissioning
- Configurations can be easily customized
- Powerful PLC programming included for the most demanding applications

High recording capacity

- Up to 100 disturbance records in non-volatile memory
- Up to 10 000 events in non-volatile memory

Software Tools

- Embedded WEB server for local or remote access through common web browsers
- Windows based configuration tool for user-friendly engineering

Wide range of standard serial or Ethernet based communication protocols

- Single, dual or redundant IEC 61850 with GOOSE
- IEC 101, IEC 103, IEC 104, Modbus, DNP 3.0



Distributed or centralized busbar protection

- IED intercommunication according to IEC 61850/9 (distributed)
- less than 20ms trip time

ARCTEQ

RELAYABLE POWER