

## AQ-F201 Overcurrent and earth fault IED



The AQ-F201 overcurrent and earth fault IED offers a compact solution for any application that requires non-directional overcurrent and earth fault protections. AQ-F201 has a selection of supportive functions for protection, measurement, monitoring, control and communication as well as a large and programmable HMI, which guarantee the best price-performance ratio in basic relays.

### Highlights

- Basic range
- Price-performance ratio

## Technical Data

### PROTECTION

Non-directional overcurrent ( $I>$ ; 50/51) - 3 stages (INST, DT or IDMT)

Non-directional earth fault ( $I0>$ ; 50N/51N) - 3 stages (INST, DT or IDMT)

Negative sequence overcurrent/ Phase current reversal/ Current unbalance ( $I2>$ ; 46/46R/46L) - 1 stage (INST, DT or IDMT)

Harmonic overcurrent ( $Ih>$ ; 50H/51H/68H) - 1 stage (INST, DT, or IDMT)

Circuit breaker failure protection (CBFP; 50BF/52BF)

Line thermal overload (TF>; 49F)

### CONTROL

Number of objects to control and monitor: 1

Number of setting groups: 8

Cold load pick-up

Switch-on-to-fault

## MEASURING AND MONITORING

Phase, sequence and residual currents (IL1, IL2, IL3, I01, I02)

Current transformer supervision

Disturbance recorder (max. 15 000 permanent event records)

Circuit breaker wear monitoring

Total harmonic distortion

Measurement recorder

Measurement value recorder

## HARDWARE

Current inputs: 5

Digital inputs (fixed): 3

Digital outputs (fixed): 5

## COMMUNICATION

RJ-45 100 Mbps Ethernet (front panel, fixed)

RJ-45 100 Mbps Ethernet and RS-485 (rear panel, fixed)

### Communication protocols

IEC 60870-5-101/104

IEC 60870-5-103

Modbus/RTU and Modbus/TCP

DNP3

SPA

Application Drawing

