

## AQ-S254 Alarm and indication IED



AQ-S254 alarm and indication IED can be applied to various substation tasks: extending the general I/O, sounding alarms, and control. You can add up to fourteen (14) I/O or communication cards into the device, depending on the requirements of your application. The logic programming are powerful and easy to use, and it further expands the unit's application range towards more demanding control, alarm and indication needs. The HMI is large and can be freely programmed, and it provides a quick visualization of the object as well as the status of alarms and events. AQ-S254 communicates using various protocols, including the IEC 61850 substation communication standard.

### Highlights

- Modern alarm sounding and I/O extension with IEC 61850 and GOOSE communication.
- A full MIMIC with busbar coloring.
- A full-color display for up to 128 alarm.

## Technical Data

### ALARM, CONTROL AND INDICATIONS

Number of objects to control and monitor: 10

Number of indicators to monitor: 20

Number of alarms to program: 128

Number of setting groups: 8

### HARDWARE

Digital inputs (fixed): 3

Digital outputs (fixed): 5

#### Options (14 slots)

Digital inputs: +8/16/24/32/40/48/56/64/72/80/88/96/104/112

Digital outputs: +5/10/15/20/25/30

RTD & mA input module (8 RTD inputs OR 4 RTD inputs + 2 mA inputs)

Milliampere I/O module (4 mA outputs + 1 mA input)

Communication media (specified in the "Communication" tab)

## COMMUNICATION

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

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

Double LC 100 Mbps Ethernet (PRP/HSR) (optional)

RS-232 & serial fibre (PP/PG/GP/GG) (optional)

#### Communication protocols

IEC 61850

IEC 60870-5-101/104

IEC 60870-5-103

Modbus/RTU and Modbus/TCP

DNP3

SPA

Application Drawing

