

## AQ-S254 Alarm and indication IED



AQ-S254 Alarm and indication IED can be applied for substation general I/O extension, control and alarm annunciation. Up to 14 I/O or communication cards can be inserted depending on application requirements. Easy to use and powerful logic programming expands further the application range to more demanding control, alarm and indication needs. Large freely programmable HMI display provides quick visualization of the object, alarm and event status. The AQ-S254 communicates using various protocols including IEC 61850 substation communication standard.

### Highlights

- Modern alarm annunciation and I/O extension with IEC 61850 and GOOSE communication

## Technical Data

### ALARM, CONTROL AND INDICATIONS

Controllable objects: 10

Status indication for 15 objects Full mimic with busbar coloring Full color annunciator display for up to 128 alarms

### I/O

Digital inputs: 3 (standard)

Output relays: 5+1 (standard)

Options (14 slots):

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

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

2 x mA input + 6-8 x RTD input (max 2 cards)

Communication media (specified below)

## MEASURING AND MONITORING

Event recording

Non-volatile disturbance records: 100

Non-volatile event records: 15000

## COMMUNICATION

RJ 45 Ethernet 100Mb (front standard)

RJ 45 Ethernet 100Mb and RS 485 (rear standard)

Double LC Ethernet 100Mb (option)

RS232 + serial fibre PP/PG/GP/GG (option)

Communication protocols standard:

IEC 61850

IEC 608705103/101/104

Modbus RTU, Modbus TCP/IP

DNP 3.0, DNP 3.0 over TCP/IP

SPA

Application Drawing

