

AO930N (AO4H)

ABB Ability™ System 800xA® hardware selector



The remote S900 I/O system can be installed in non-hazardous areas or directly in Zone 1 or Zone 2 hazardous area depending on the selected system variant. S900 I/O communicates with the control system level using the PROFIBUS DP standard. The I/O system can be installed directly in the field, therefore the costs for marshalling and wiring are reduced.

The system is sturdy, error-tolerant and easy to service. Integrated disconnection mechanisms allow replacement during operation, meaning that there is no need to interrupt the primary voltage in order to exchange the power supply units.

S900 I/O type N. For installation in safe (= non-hazardous) area.

AO930N Analog Output (AO4H), output signal 0/4...20 mA for actuators.

Features and benefits

- Redundancy (Power and Communication)
- Hot Configuration in Run
- Hot Swap functionality
- Extended Diagnostic
- Excellent configuration and diagnostics via FDT/DTM
- G3 – coating for all components
- Simplified maintenance with auto-diagnostics
- Output signal 0/4...20 mA for actuators
- Short and break detection
- Electrical isolation between output / bus and output / power
- Output with common ground
- 4 channels
- Transmission of HART frames via the fieldbus
- Cyclic HART variables

General info

| | |
|--------------------|-----------------|
| Article number | 3KDE175533L9300 |
| Type | Analog Output |
| Number of channels | 4 |
| Signal type | 4...20 mA |
| HART | Yes |
| SOE | N/A |
| Redundancy | No |
| Intrinsic safety | No |
| Mechanics | S900 |

| Environment and certification | |
|---------------------------------|---|
| CE mark | Yes |
| Corrosive atmosphere ISA-S71.04 | G3 |
| Climatic operating conditions | Relative humidity max. 93 % +/- 3 % at 40 °C |
| Max ambient temperature | -20 °C...60 °C |
| RoHS compliance | DIRECTIVE/2011/65/EU (EN 50581:2012) |
| WEEE compliance | DIRECTIVE/2012/19/EU |
| WEEE category | Small Equipment (No External Dimension More Than 50 cm) |

| Dimensions | |
|------------|---------------------|
| Width | 20 mm (0.79 in.) |
| Depth | 104 mm (4.09 in.) |
| Height | 104 mm (4.09 in.) |
| Weight | 0.13 kg (0.28 lbs.) |

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