

DATA SHEET

AO910S (AO4-Ex)

Freelance 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 S. For installation in hazardous area Zone 1. For connecting intrinsically safe field devices installed in Zone 2, Zone 1 or Zone 0.

AO910S Analog Output (AO4-Ex), output signal 0/4...20 mA for actuators.

Features and benefits

- ATEX Certification for installation in Zone 1
- Redundancy (Power and Communication)
- Hot Configuration in Run
- Hot Swap functionallity
- 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

General info

Article number	3KDE175531L9100
Type	Analog Output
Number of channels	4
Signal type	0/4...20 mA for actuators
HART	No
SOE	N/A
Redundancy	No
Intrinsic safety	Yes
Mechanics	S900

Detailed data

Resolution	13 bit
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Environment and certification

CE mark	Yes
Hazardous Location	ATEX Zone 1
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	0.135 kg (0.30 lbs.)

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