

DATA SHEET

A0910B (A04-B)

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

AO910B Analog Output (AO4-B), output signal 0/4...20 mA for actuators.

Features and benefits

- ATEX Certification for installation in Zone 2
- 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 $0/4...20\ \text{mA}$ for actuators
- Short and break detection
- Electrical isolation between output / bus and output / power
- Output with common ground
- 4 channels

General info		
Article number	3KDE175532L9100	
Туре	Analog Output	
Number of channels	4	
Signal type	420 mA	
HART	No	
SOE	N/A	
Redundancy	No	
Intrinsic safety	Yes	
Mechanics	\$900	

Detailed data	
Resolution	13 bit

Environment and certification		
CE mark	Yes	
Hazardous Location	ATEX Zone 2	
Climatic operating conditions	Relative humidity max. 93 % +/- 3 % at 40 °C	
Max ambient temperature	-20 °C60 °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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