

---

PRODUCT-DETAILS

## 3KDE175511L9100

AI910S Analog input (AI4-Ex)



---

**General Information**

---

|                      |                              |
|----------------------|------------------------------|
| Product ID           | 3KDE175511L9100              |
| ABB Type Designation | AI910S                       |
| Catalog Description  | AI910S Analog input (AI4-Ex) |

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 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 or Zone 1 or Zone 0.

#### Long Description

AI910S Analog Input (AI4-Ex), input and power supply for 4...20 mA loop powered 2-wire transmitters.

- ATEX Certification for installation in Zone 1
- 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
- Power supply for 4...20 mA loop powered 2-wire transmitters
  - Short and break detection
- Electrical isolation between input / bus and input / power
  - Common return for all inputs
  - 4 channels

### Additional Information

|                    |                                      |
|--------------------|--------------------------------------|
| Medium Description | Transmitter power supply, 4...20 mA. |
| Product Type       | I-O_Module                           |

### Ordering

|                       |   |
|-----------------------|---|
| HS Code               | 853890-- Parts suitable for use solely or principally with the apparatus of heading 85.35, 85.36 or 85.37.- Other |
| Customs Tariff Number | 85389099  |

### Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Depth / Length | 104 mm  |
| Product Net Height         | 20 mm   |
| Product Net Width          | 104 mm  |
| Product Net Weight         | 0.14 kg |

### Technical

|                          |    |
|--------------------------|----|
| Channel Type             | AI |
| Number of Input Channels | 4  |

### Environmental

|             |                                   |
|-------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
|-------------|-----------------------------------|

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Number of Batteries

0

---

## Categories

---

Control System Products → I/O Products → S900 I/O → S900 I/O - Modules → AI910S Analog inputs → AI910S Analog input

Control Systems → 800xA → I/Os → S900 I/O → I/O Modules

Control Systems → 800xA → I/Os → S900 I/O → I/O Modules

