

PRODUCT-DETAILS

## 3KDE175311L9100

### DX910S Digital Input or Output (DIO8-Ex)



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**General Information**

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|----------------------|--|
| Product ID           | 3KDE175311L9100                          |
| ABB Type Designation | DX910S                                   |
| Catalog Description  | DX910S Digital Input or Output (DIO8-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

DX910S Digital Input or Output (DIO8-Ex), input for dry contacts or proximity switches, output for low power intrinsically safe valves.

- 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
- Input for dry contacts or proximity switches (NAMUR)
  - Output for low power intrinsically safe valves
  - Short and break detection
- Electrical isolation between input / bus and input / power
  - Common return for all inputs / outputs
- Configurable as a mixture of inputs and outputs
  - 8 I/O channels

### Additional Information

Medium Description 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. DX910S Digital Input or Output (DIO8-Ex), input for dry contacts or proximity switches, output for low power intrinsically safe valves.

|              |            |
|--------------|------------|
| Product Type | I-O_Module |
|--------------|------------|

### Ordering

|                       |   |
|-----------------------|---|
| Country of Origin     | Germany (DE)  |
| 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         | 0.125 kg |

### Technical

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

|                           |   |
|---------------------------|---|
| Number of Output Channels | 4 |
|---------------------------|---|

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### Environmental

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|                     |  |
|---------------------|--|
| RoHS Status         | Following EU Directive 2011/65/EU                          |
| WEEE Category       | 5. Small Equipment (No External Dimension More Than 50 cm) |
| Number of Batteries | 0  |

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### Categories

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Control System Products → I/O Products → S900 I/O → S900 I/O - Modules → DX910S Digital Input or Outputs → DX910S Digital Input or Output

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

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