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PRODUCT-DETAILS

## 3KDE175511L9310

AI931S Analog Input, HART (AI4H-Ex)



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### General Information

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Product ID	3KDE175511L9310
ABB Type Designation	AI931S
Catalog Description	AI931S Analog Input, HART (AI4H-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	AI931S Analog Input (AI4H-Ex), passive inputs for 0/4...20 mA.
	<ul style="list-style-type: none"> <li>- ATEX Certification for installation in Zone 1</li> <li>- Redundancy (Power and Communication) <ul style="list-style-type: none"> <li>- Hot Configuration in Run</li> <li>- Hot Swap functionality</li> <li>- Extended Diagnostic</li> </ul> </li> <li>- Excellent configuration and diagnostics via FDT/DTM <ul style="list-style-type: none"> <li>- G3-coating for all components</li> </ul> </li> <li>- Simplified maintenance with auto-diagnostics <ul style="list-style-type: none"> <li>- Passive inputs for 0/4...20 mA</li> <li>- Short and break detection</li> </ul> </li> <li>- Electrical isolation between input / bus and input / power <ul style="list-style-type: none"> <li>- Common return for all inputs</li> <li>- 4 channels</li> </ul> </li> <li>- Transmission of HART frames via the fieldbus <ul style="list-style-type: none"> <li>- Cyclic HART variables</li> </ul> </li> </ul>

## Additional Information

Medium Description	Passive input, 0/4...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	0.13 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
SCIP	d7bcf04c-113c-490e-bdd5-ffcebc6951d4 Germany (DE)

Categories

Control System Products → I/O Products → S900 I/O → S900 I/O - Modules → AI931S Analog Inputs → AI931S Analog Input

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

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