ABB

—
PRODUCT-DETAILS

3KDE175513L9310

AI931N Analog Input, HART (AI4H)

General Information

Product ID	3KDE175513L9310
ABB Type Designation	AI931N
Catalog Description	AI931N Analog Input, HART (AI4H)

| Long Description | 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 mashalling 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 N. For installation in safe (= non-hazardous) area.

AI931N Analog Input (AI4H), passive inputs for 0/4...20 mA.

- 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
- Passive inputs for 0/4...20 mA
- Short and break detection
- Electrical isolation between input / bus and input / power
- Common return for all inputs
- 4 channels
- Transmission of HART frames via the fieldbus
- Cyclic HART variables |
|---|---|

Additional Information

Medium Description	Passive input, 0/4...20 mA.
Product Type	I-O_Module

Ordering

HS Code	853890 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Parts suitable for use solely or principally with the apparatus of heading|8535, 8536|or 8537;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	AI
Number of Input Channels	4

3KDE175513L9310

3/3

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	91a5079c-9f38-435b-b257-6096da6aa1f4 Germany

Categories

Control System Products → I/O Products → S900 I/O → S900 I/O - Modules → AI931N Analog Inputs → AI931N Analog Input

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

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

© 2025 ABB. All rights reserved.   2025/06/27   Subject to change without notice