PRODUCT-DETAILS

# 3KDE175513L9310

## AI931N Analog Input, HART (AI4H)



### General Information

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

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|---|---|
| **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.<br>S900 I/O communicates with the control system level using PROFIBUS DP standard.<br>The I/O system can be installed directly in the field, therefore the costs for mashalling and wiring are reduced.<br><br>The system is sturdy, error-tolerant and easy to service.<br>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.<br><br>S900 I/O type N. For installation in safe (= non-hazardous) area.<br><br>AI931N Analog Input (AI4H), passive inputs for 0/4...20 mA.<br><br>- Redundancy (Power and Communication)<br>- Hot Configuration in Run<br>- Hot Swap functionality<br>- Extended Diagnostic<br>- Excellent configuration and diagnostics via FDT/DTM<br>- G3-coating for all components<br>- Simplified maintenance with auto-diagnostics<br>- Passive inputs for 0/4...20 mA<br>- Short and break detection<br>- Electrical isolation between input / bus and input / power<br>- Common return for all inputs<br>- 4 channels<br>- Transmission of HART frames via the fieldbus<br>- Cyclic HART variables |
| **Display Name:** | 3KDE175513L9310 |

## Additional Information

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|---|---|
| **Medium Description:** | Passive input, 0/4...20 mA. |

## Ordering

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|---|---|
| **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 |

## Dimensions

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| **Product Net Depth / Length:** | 104 mm |
| **Product Net Height:** | 20 mm |
| **Product Net Width:** | 104 mm |
| **Product Net Weight:** | 0.125 kg |

## Technical

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| **Channel Type:** | AI |
| **Number of Input Channels:** | 4 |

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## Certificates and Declarations

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| **EU Data Act Compliance Declaration:** | 7PAA021801 |
| **EU Data Act Applicability and Compliance:** | 2025 Applicable - Compliant |

## Environmental

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|---|---|
| **RoHS Information:** | 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

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

Products > Control Systems > 800xA > I/Os > S900 I/O > I/O Modules

Parts & Services > Control Systems > 800xA > I/Os > S900 I/O > I/O Modules




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