ABB

PRODUCT-DETAILS

3KDE175511L9100
AI910S Analog input (AI4-Ex)

General Information

2025/06/27   Subject to change without notice

Product ID	3KDE175511L9100
ABB Type Designation	AI910S
Catalog Description	AI910S Analog input (AI4-Ex)
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 S. For installation in hazardous area Zone 1. For connecting intrinsically safe field devices installed in Zone 2 or Zone 1 or Zone 0. 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 -- 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	0.14 kg

Technical

Channel Type	AI
Number of Input	4

Channels

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	a65e7a4f-627f-4903-bae4-35a8e5426aec Germany

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

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