



PRODUCT-DETAILS

3KDE175521L9500

AI950S Temperature (TI4-Ex)



General Information

Product ID	3KDE175521L9500
ABB Type Designation	AI950S
Catalog Description	AI950S Temperature (TI4-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 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.
	AI950S Temperature Input (TI4-Ex), supporting Pt100, Pt1000, Ni100 in 2-/3-/4-technology. Thermocouples type B, E, J, K, L, N, R, S, T, U, mV. Isolated inputs channel by channel.

- 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
- Pt 100, Pt 1000, Ni 100, 0...3kOhms in 2/3/4 wire technique
 - Thermocouple Type B, E, J, K, L, N, R, S, T, U, mV
 - Internal or external cold junction compensation
 - Short and break detection
- Electrical isolation between input / bus and input / power
 - Electrical isolation channel to channel
 - 4 channels

Additional Information

Medium Description	Pt100, Pt1000, Ni100 in 2-/3-/4-technology thermocouples type B, E, J, K, L, N, R, S, T isolated inputs channel by channel.
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	0.135 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	a8869810-0d6f-4f23-8136-8da595507429 Germany

Categories
Control System Products → I/O Products → S900 I/O → S900 I/O - Modules → AI950S Temperatures → AI950S Temperature
Control Systems → 800xA → I/Os → S900 I/O → I/O Modules
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