PRODUCT-DETAILS

3KDE175521L9500

AI950S Temperature (TI4-Ex)



General Information

Product ID:	3KDE175521L9500
ABB Type Designation:	AI950S
Catalog Description:	AI950S Temperature (TI4-Ex)

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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. 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. 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
Display Name:	3KDE175521L9500

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.

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

Dimensions

Product Net Depth / Length:	104 mm
Product Net Height:	20 mm
Product Net Width:	104 mm
Product Net Weight:	0.135 kg

Technical

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Channel Type:	AI
Number of Input Channels:	4

Certificates and Declarations

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

Environmental

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:	a8869810-0d6f-4f23-8136-8da595507429 Germany

Categories

Products > Control System Products > I/O Products > S900 I/O > S900 I/O - Modules > AI950S Temperatures > AI950S Temperature

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

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