
PRODUCT-DETAILS

3KDE175523L9500

AI950N Temperature (TI4)



General Information

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|----------------------|--------------------------|
| Product ID | 3KDE175523L9500 |
| ABB Type Designation | AI950N |
| Catalog Description | AI950N Temperature (TI4) |

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 N. For installation in safe (= non-hazardous) area.

AI950N Temperature Input (TI4), 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.

Long Description

- 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

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| 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

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| HS Code | 853890-- Parts suitable for use solely or principally with the apparatus of heading 85.35, 85.36 or 85.37.- Other |
| Customs Tariff Number | 85389099 |

Dimensions

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| Product Net Depth / Length | 104 mm |
| Product Net Height | 20 mm |
| Product Net Width | 104 mm |
| Product Net Weight | 0.13 kg |

Technical

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|--------------------------|----|
| Channel Type | AI |
| Number of Input Channels | 4 |

Environmental

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|---------------------|------------------------------------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| Number of Batteries | 0 |

Categories

Control System Products → I/O Products → S900 I/O → S900 I/O - Modules → AI950N Temperatures → AI950N Temperature

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

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