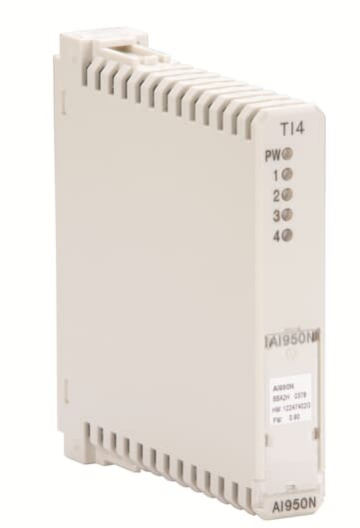
DATA SHEET

AI950N (TI4)

ABB Ability™ System 800xA® hardware selector



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 the 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 and Ni100 in 2-/3-/4-technology. Thermocouples B, E, J, K, L, N, R, S, T, U, mV. Isolated inputs channel by channel.

Features and benefits

- Redundancy (Power and Communication)
- Hot Configuration in Run
- Hot Swap functionallity
- 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

General info	
Article number	3KDE175523L9500
Type	Analog Input
Number of channels	4
HART	Yes
SOE	N/A
Redundancy	No
Intrinsic safety	No
Mechanics	S900

Environment and certification	
CE mark	Yes
Corrosive atmosphere ISA-S71.04	G3
Climatic operating conditions	Relative humidity max. 93 % +/-3 % at 40 °C
Max ambient temperature	-20 °C...60 °C
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU
WEEE category	Small Equipment (No External Dimension More Than 50 cm)

Dimensions	
Width	20 mm (0.79 in.)
Depth	104 mm (4.09 in.)
Height	104 mm (4.09 in.)
Weight	0.13 kg (0.29 lbs.)

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