750-461

Industrial automation components

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Manufacturer	Wago
Catalog number	750-461
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Component Specifications	pt100
I/O Channels	2 AI
I/O Configuration	2
Channel Configuration	2
Product Type	Module

Description

The WAGO 750-461 is a 2-channel analog input module designed for direct connection to Pt100 resistance temperature detectors (RTDs). This module facilitates precise temperature measurements by converting the resistance values from Pt100 sensors into digital signals compatible with WAGO's I/O system.

It supports both 2-wire and 3-wire sensor configurations, offering flexibility in various industrial applications. The module operates within a temperature range of -200°C to +850°C, providing a resolution of 0.1°C over the entire range.

It features a conversion time of 320 ms per channel and a response time of up to 4 seconds, ensuring timely data processing. The 750-461 is equipped with CAGE CLAMP® connection technology, allowing for secure and efficient wiring.

It has a width of 12 mm, making it suitable for installations where space is limited. The module is designed for DIN rail mounting and has an ingress protection rating of IP20, indicating protection against solid objects larger than 12 mm but not against water.

It is approved by UL 508 and complies with EMC standards, ensuring reliable operation in industrial environments. This module is ideal for applications requiring accurate temperature monitoring, such

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as process control, automation systems, and equipment monitoring.

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