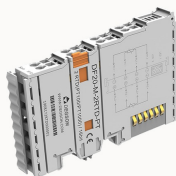


Overview

Product information



DF20-M-2RTD-PT-30050000327

Thermal resistance (RTD) measurement module, 16 bit resolution, 2 channels

Product advantages

- ☑ This module adopts 2-channel thermal resistance measurement and supports 13 types of conventional thermal resistors.
- ☑ Supports two sensors.
- ☑ Supports 2-wire, 3-wire, and 4-wire sensors.
- ☑ Two LED indicators indicate that the module is operating normally and communication is normal.
- ☑ Each channel is equipped with LED indicator lights.
- ☑ Magnetic isolation between the on-site layer and the system layer.
- ☑ Transmitted in 16 resolution format.
- ☑ Protection level IP20. “

Product certification

Technical data

Product drawing

3D model

□

Technical Information

Process alarm	Upper/lower limit of each channel
Reverse circuit protection	Yes
Error diagnosis	Yes
Working voltage	24V DC+20%/-15%
Frequency interference suppression	10Hz 50Hz 60Hz 400Hz
Sensor type	Thermal resistance
Temperature error	± 50ppm/K_ X005f max
Line type	2/3/4 wire system

Measuring range	-200 ° C~850 ° C
Diagnosis	Broken line/parameter assignment error
Number of channels	Two
Data size	4 Byte
Resolving power	16bit, 0.1 °C/per digit
Signal type	PT100, PT1000
Conversion time	150ms
Isolation method	Magnetic isolation from the on-site layer
Accuracy	± 0.3%

Environmental requirements

Protection type	IP20
Relative humidity (non condensing)	5-95% RH
working temperature	-25... 60 °C
Storage temperature	-40... 85 °C

Wiring parameters

Provide internal system voltage	5VDC
The maximum crimping area of the wire	1.5mm²
	0.14mm²
Maximum crimping area of wire (AWG)	AWG16
	AWG26
Connection technology: input/output	PUSH-IN type terminal blocks
Installation method	DIN-35 type guide rail
External dimensions (HXWXD)	100mm X 48mm X 69mm
System feed current	<60mA
Provide internal system current	Max.2A

Accessories

Business data	
Order number	30050000327
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	60g