

12V Pepperl Fuchs LB5105A Module Thermocouple Converter 0.75W

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: LB5105A
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Manufacturer: PEPPERL FUCHS
- Product No: LB5105A
- Connection: Backplane Bus
- Power Dissipation: 0.75 W
- Linearity Error: 0.1 %
- Relative Humidity: 95 % Non-condensing
- Altitude: Max. 2000 M
- Highlight: **Pepperl Fuchs Thermocouple Converter, Thermocouple Converter 0.75W, LB5105A Module**



More Images



Product Description

Pepperl+Fuchs LB5105A Module Thermocouple Converter with Backplane Bus Connection and 0.75 W Power Dissipation

Slots

Occupied slots 2

Supply

Connection backplane bus

Rated voltage 12 V DC , only in connection with the power supplies LB9***

Power dissipation 0.75 W

Power consumption 0.75 W

Internal bus

Connection backplane bus

Interface manufacturer-specific bus to standard com unit

Input

Compensation (reference junction CJC) internal cold junction compensation or external cold junction temperature input

Number of channels 4

Suitable field devices

Field device [2] Thermocouple

Field device [4] mV source

Suitable sensors

Sensor thermocouples U, B, E, T, K, S, R, L, J, N, Pallaplat and mV sources

Connection channel I: 1+, 2-; channel II: 5+, 6-; channel III: 9+, 10-; channel IV: 13+, 14-

Measuring range -65 ... 75 mV with LFD , -75 ... 75 mV without LFD

Smallest span 5 mV for 0.1 % accuracy

Linearity error 0.1 %

Conversion time max. 300 ms (4 channels) without LFD max. 600 ms (4-channel) with LFD

Compensation (reference junction CJC) internal cold junction compensation or external cold junction

Line fault detection can be switched on/off for each channel via configuration tool ,

Open-circuit > 1 kΩ

Transfer characteristics

Deviation

Influence of ambient temperature max. 0,1 %/10 K

Indicators/settings

LED indication Power LED (P) green: supply

Status LED (I) red: line fault (collective alarm) , red flashing: communication error

Coding optional mechanical coding via front socket

Directive conformity

Electromagnetic compatibility

Directive 2014/30/EU EN 61326-1:2013



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