

Product Datasheet - Technical Specifications



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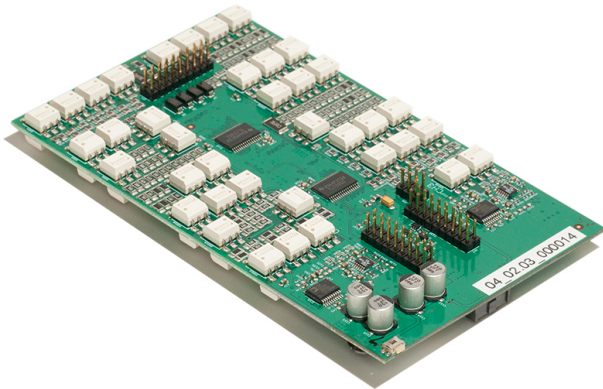
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Expansion Board Digital Multichannel Potentiometer



- ▶ 4 independent, galvanically isolated, AC-capable channels
- ▶ Wide range of resistance: 50 Ohm to 500 kOhm
- ▶ High accuracy and 19 Bit Resolution
- ▶ Overcurrent protection
- ▶ Non-mechanical solid-state switches

The **Digital Multichannel Potentiometer Expansion Board** extends the functionality of the **µLC Test System** by seamless integration into an existing device. It offers four independently configurable, galvanically isolated digital potentiometers with a wide range of resistance and excellent accuracy. All four channels feature individual protection by an automatic overcurrent shutdown with automatic retry.

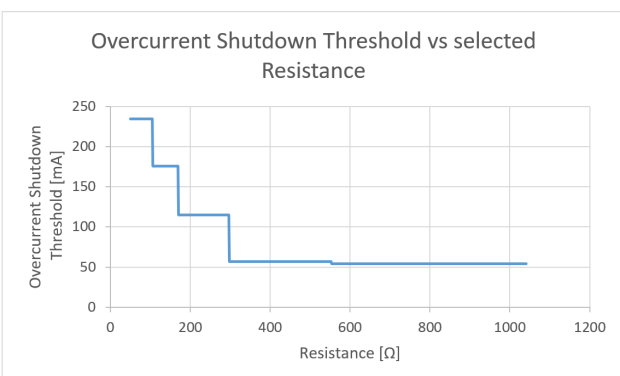
Application

- Emulating Sensor Data
- Designed to work for example with the sensor interface L9966 (FlexI)

Technical Specifications

Maximum voltage on any input referred to µLC-GND -24 to 24 V

Dimensions



Electrical Characteristics

Parameter	Value	Unit
Minimum Resistance	50	Ohm
Maximum Resistance	500	kOhm
Step Size	1	Ohm
Resolution	19	Bit

Accuracy

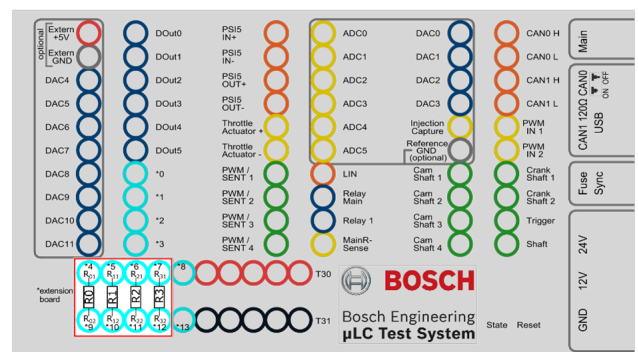
Parameter	Value
Entire Range	±0.5 Ohm ± 1 %

Ordering Information

Expansion Board Digital Multichannel Potentiometer

Order number **F02U.V03.129-01**

Pinout



Block diagram:

