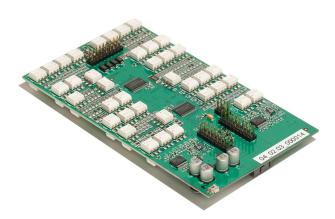
Expansion Board Digital Multichannel Pot.





- 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 $$-24$ to 24$ V μ LC-GND

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	±0.5 Ohm ±1 %	

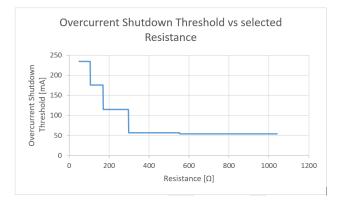
Legal Restrictions

The sale of this product in Mexico is prohibited. Due to embargo restrictions, sale of this product in Russia, Belarus, Iran, Syria, and North Korea is prohibited.

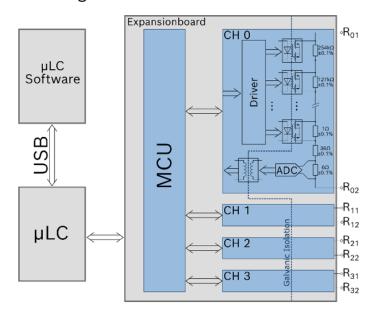
Ordering Information

Expansion Board Digital Multichannel Pot. Order number F02U.V03.129-01

Dimensions



Block diagram:



Represented by:

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PSI ADCO DOut PSI5 DOut1 E ADC1 CANO I CAN1 1200 CAN0 USB • • PSI5 OUT+ С DOut2 ADC2 CAN1 H g PSI5 OUT-DOut3 ADC3 CAN1 L DAC DOut4 Throttle Actuator ADC4 PWM IN 1 Injectio Capture Č Throttle Actuator ADC: PWM IN 2 IN 2 Crank Shaft 1 Crank Shaft 2 Trigger ğ PWM / SENT 1 Cam Shaft 1 LIN Fuse Sync Relay Main Relay PWM / SENT 2 Cam Shaft 2 DA \mathbf{C} PWM / SENT 3 8 Cam 24V MainR-Sense PWM / SENT 4 Cam С ∞ BOSCH C 12V т30 fexten GND Bosch Engineering µLC Test System 00000 T31

Pinout