

# Galvanic Isolator

## MTL5061



### Features

- ▶ Simple installation onto standard DIN railing
- ▶ Simplified installation and maintenance using plug-in connectors.
- ▶ Input circuit protected against reverse polarity

### Description

Model MTL5061 is a zone-powered, two-channel interface for use in conventional fire detection systems for protection within hazardous areas.

In operation, the triggering of a detector causes corresponding change in the safe-area circuit. The unit has reverse input polarity protection, while 'non-fail' earth fault detection on either line can be provided by connecting an earth leakage detector to terminals 3 or 6.

Certified for use in Zone 0, IIC, T4-6 hazardous areas.

Specification	
Ordering Code	MTL5061
Safety Description:	
Maximum voltage of Zener diode when fuse blows	28V
Minimum value of terminating resistor	300Ω
Maximum short-circuit current	93mA
Number of channels	2
Current Range	1 to 40mA, nominal
Response Time to step input	Settles to within 500μA of final value within 30ms
Maximum Output Voltage in hazardous area	28V (from 300Ω)
Transfer Accuracy at 20°C	Better than 400μA
Temperature Drift	<10μA/°C (-20°C to 60°C)
Loop Supply Voltage	6 to 35V dc
Quiescent safe-area current at 20°C	<400μA/channel, Vin = 24V dc
Operating Temperature Range	-20°C to + 60°C (continuous working)
Storage Temperature Range	-40°C to + 80°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Weight (g) / Dimensions (mm)	110 / H110 x W104 x D16
Mounting Method	DX070 Box

**FURTHER INFORMATION: [www.mtl-inst.com](http://www.mtl-inst.com)**

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