

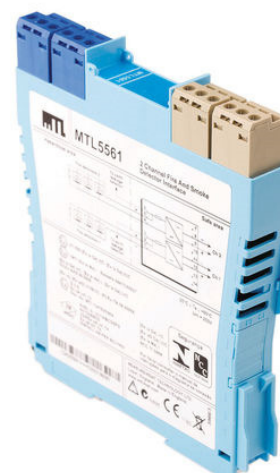
MTL5561 ATEX IS-mod Galvanic MTL5561

General

The MTL5561 is a two-channel interface for use with conventional fire and smoke detectors located in hazardous areas.

In operation, the triggering of a detector causes a corresponding change in the safe-area circuit.

The MTL5561 has reverse input polarity protection.



Specifications

Number of channels: 2

Location of detectors: Zone 0, IIC, T4-6 hazardous area if Div. 1, Group A hazardous location

Current range: 1 to 40 mA, nominal

Integral input polarity protection: Input circuit protected against reverse polarity

No-fail earth fault protection (optional):

Enabled by connecting terminals 3 and 6 to the MTL5561 earth leakage detector.

If a fault on either line of each channel occurs: unit continues working.

Min. output voltage: For $V_{in} \leq 25V$: $V_{out} = V_{in} - (0.38 \times \text{current in mA}) - 2V$
For $V_{in} > 25V$: $V_{out} = 22.5V - (0.35 \times \text{current in mA})$

Hazardous-area output: Max. output voltage 28V from 300 ohm

Loop supply voltage: 6 to 30 VDC

Safety description: U_o : 28V, R: 300 ohm, I_o : 93mA, P_o : 0.65W, U_m : 253V rms or dc
Materials Polycarbonate (UL94-2/0).

Dimensions

Outside dimensions: 124x110x16 mm

Markings

MTL5561

Document: 540331 ATEX IS-mod Galvanic
MTL5561

Category:

Elec. Accs.

Id: MRP

Rev: 2016.05.12

Text

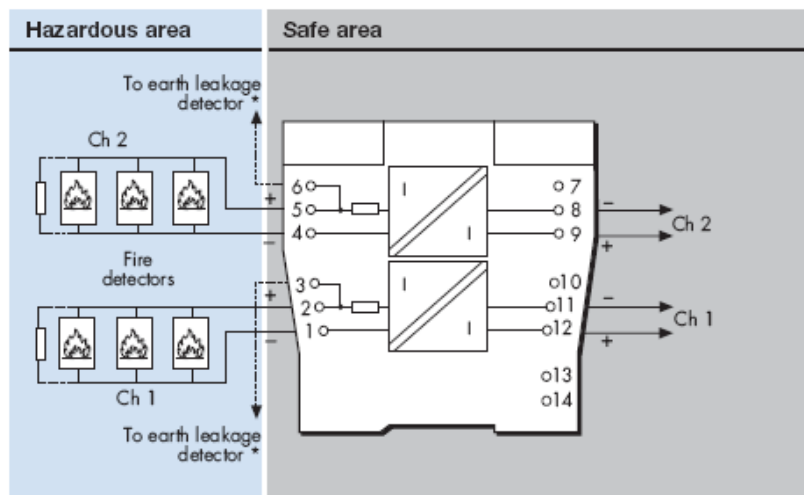


FIRE EATER A/S

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Installation

The MTL5561 must be connected between the control panel and the detectors according to the installation manual for the control panel.

**Operating**

In operation, the triggering of a detector causes a corresponding change in the safe-area current.

Maintenance

Check that the cable is well connected and check the function according to the system.
At least once a year.

Replaceable parts

None.

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