MTL4561 - MTL5561 **FIRE AND SMOKE DETECTOR INTERFACE** 2-channel

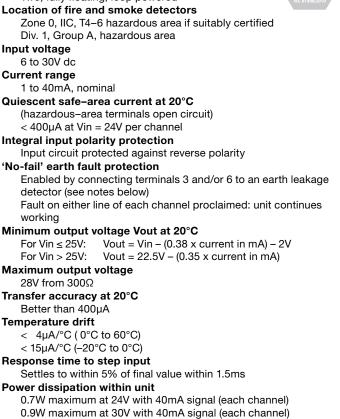
The MTLx561 is a loop-powered 2-channel interface for use with conventional fire and smoke detectors located in hazardous areas. In operation, the triggering of a detector causes a corresponding change in the safe-area current. The unit features reverse input polarity protection, while 'no-fail' earth fault detection on either line can be provided by connecting an earth leakage detector to terminal 3 and/or 6.

SPECIFICATION

See also common specification



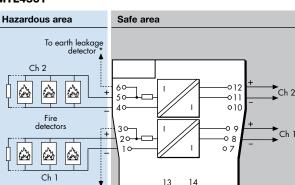
Number of channels Two, fully floating, loop powered



Notes:

- To maintain isolation between the two channels, separate earth leakage 1 detectors are needed.
- The earth leakage detectors introduce a 100µA, 1Hz ripple to the field circuit. 2.

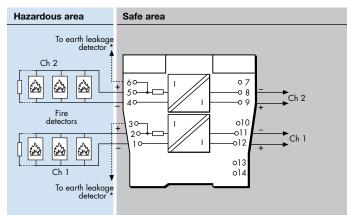
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Ch 1

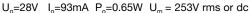
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To earth leakage detecto



*Signal plug HAZ1-3 is required for access to this function

Safety description for each channel





SIL capable These models have been assessed for use in IEC 61508 functional safety applications. See data on MTL web site and refer to the safety manual.

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes



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