

# MTL4500 - MTL5500 SERIES COMMON SPECIFICATIONS

Please go to our website at [www.mtl-inst.com](http://www.mtl-inst.com) for the latest information regarding safety approvals, certificates and entity parameters.

## Connectors

Each unit is supplied with signal connectors, as applicable. When using crimp ferrules for the hazardous or non-hazardous (safe) signal connectors the metal tube length should be 12mm and the wire trim length 14mm.

## Isolation

250V rms, tested at 1500V rms minimum, between safe- and hazardous-area terminals.  
MTL4500: 50V between safe-area circuits and power supply  
MTL5500: 250V rms between safe-area circuits and power supply

## Supply voltage

20 – 35V dc

## Location of units

Safe area

## Terminals

Accepts conductors of up to 2.5mm<sup>2</sup> stranded or single-core

## Mounting

### MTL4500

MTL4500 series backplanes

### MTL5500

T-section 35mm DIN rail (7.5 or 15mm) to EN 50022

## Ambient temperature limits

-20 to +60°C (-6 to +140°F) operating  
-40 to +80°C (-40 to +176°F) storage

## Humidity

5 to 95% relative humidity

## Weight

Approximate (except where indicated)

MTL4500	140g
MTL5500	150g

## EMC

To EN61326 and NE21\*

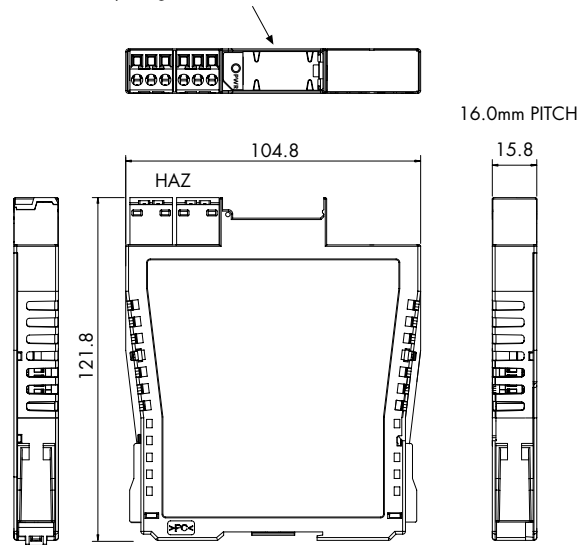
\* For 20ms power interruption compliance, a suitable power supply must be used.

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## DIMENSIONS (MM)

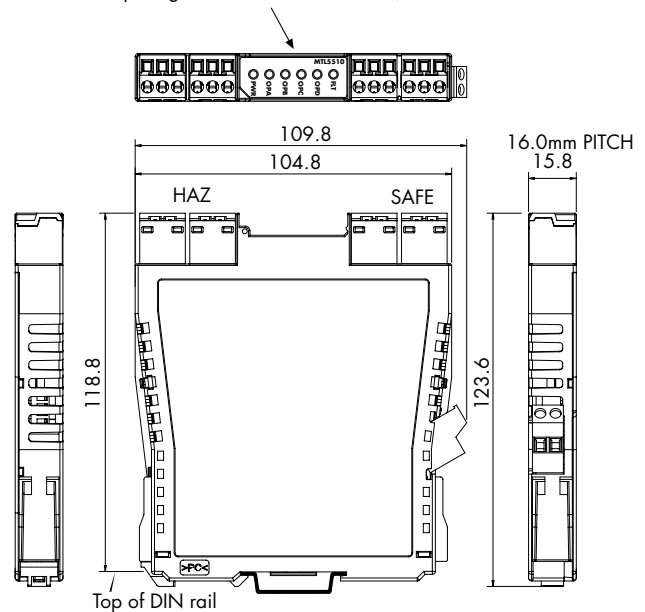
### MTL4500

Optional TH5000 tag holder for individual isolator identification.  
Accepts tag label 25 x 12.5 ±0.5mm, 0.2mm thick



### MTL5500

Optional TH5000 tag holder for individual isolator identification.  
Accepts tag label 25 x 12.5 ±0.5mm, 0.2mm thick



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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EPSx5CS Rev3 200913