

# MTL5521-T SOLENOID/ ALARM DRIVER

loop-powered, IIC

The MTL5521 is a loop-powered module which enables a device located in the hazardous area to be controlled from the safe area. That can drive a certified intrinsically safe low-power load, as well as non-energy-storing simple apparatus such as an LED.

## SPECIFICATION

See also common specification

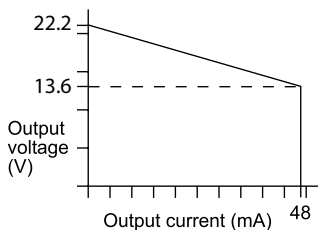
### Number of channels

One

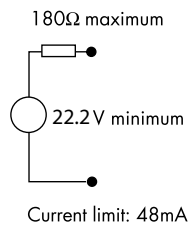
### Location of load

Zone 0, IIC, T4-6 hazardous area if suitably certified  
Div. 1, Group A hazardous location

### Minimum output voltage (MTL5521)



### Equivalent output circuit



### Input voltage

20 to 35V dc

### Hazardous-area output

Minimum output voltage: 13.6V at 48mA  
Maximum output voltage: 24V from 180Ω  
Current limit: 48mA minimum

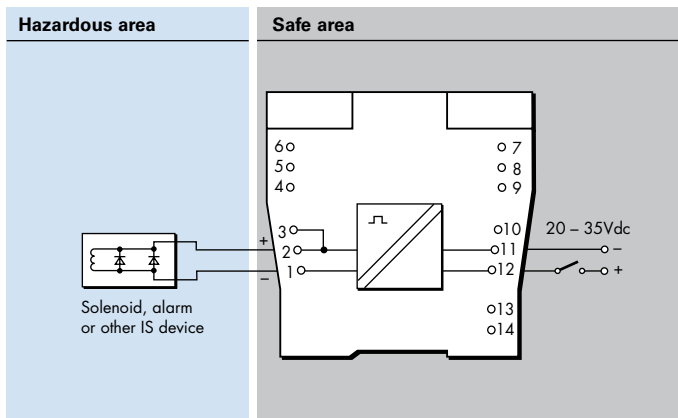
### Output ripple

< 0.5% of maximum output, peak to peak

### Response time

Output within 10% of final value within 100ms

## MTL5521



### LED indicator

Yellow: output status, on when output active

### Maximum current consumption

90mA at 24V

### Power dissipation within unit

1.4W at 24V

### Operating temperature range

-20°C to +65°C (-6 to +149°F)

### Safety description (MTLx521)

$U_o=25V$   $I_o=147mA$   $P_o=0.92W$   $U_m = 253V$  rms or dc

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.



Powering Business Worldwide

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