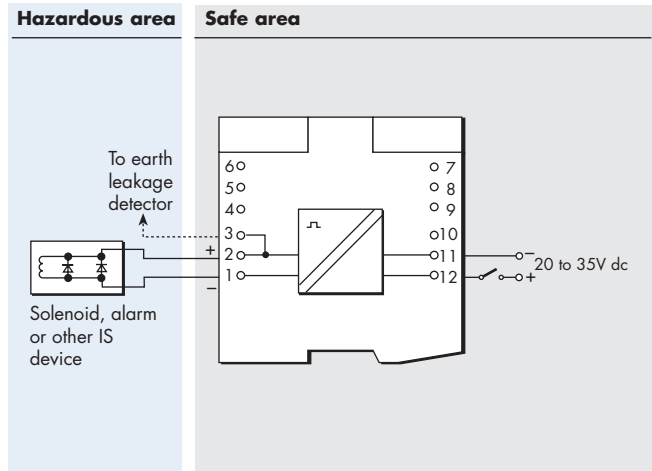


# MTL5022 SOLENOID/ ALARM DRIVER

loop-powered, IIB



The MTL5022 enables a device located in the hazardous area to be controlled by a switch or voltage change in the safe area. The MTL5022 can drive any certified intrinsically safe low-power load, as well as non-energy-storing simple apparatus such as an LED. The unit's input/output isolation allows the control switch to be connected into either side of the 24V dc supply circuit.



## SPECIFICATION

See also common specification

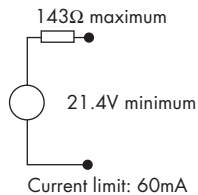
### Number of channels

One

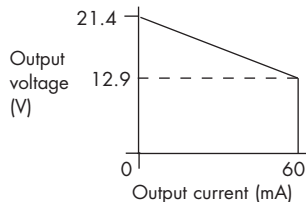
### Location of load

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

### Equivalent circuit



### Minimum output voltage



### LED indicator

Yellow: status

### Input voltage

20 to 35V dc

### Hazardous-area output

Minimum output voltage: 12.9V at 60mA

Maximum output voltage: 24V from 133Ω

Current limit: 60mA

### Maximum current consumption (with 60mA output)

115mA at 24V, typical

135mA at 20 to 35V dc, maximum

### Maximum power dissipation within unit

1.5W at 24V

2.1W at 35V

### Safety description

25V, 135Ω, 185mA,  $U_m = 250V$  rms or dc

Terminal	Function
1	Output -ve
2	Output +ve
3	Earth leakage detection
11	Supply -ve
12	Supply +ve



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