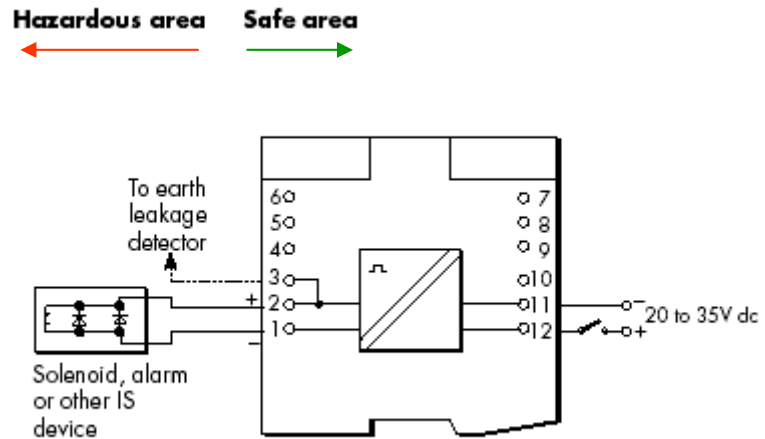


MTL 5025 Alarm Driver

Low current loop powered, IIC

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PRODUCTS

The MTL5025 enables an on/off device located in the hazardous area to be controlled by a switch or voltage change in the safe area. It can drive any certified intrinsically safe low-power load, as well as non energy-storing simple apparatus such as an LED.



SPECIFICATION:

Mounting DIN Rail

Number of channels One

Location of load Zone 0, IIC, T4–6 hazardous area if suitably certified
Div. 1, Group A hazardous location

LED indicator Yellow: status

Hazardous-area output Minimum output voltage: 8.6V at 45mA
Maximum output voltage: 24V from 269Ω
Current limit: 45mA

Input voltage 20 to 35V dc

Maximum current consumption (with 45mA output) 90mA at 24V
110mA, 20 to 35V dc

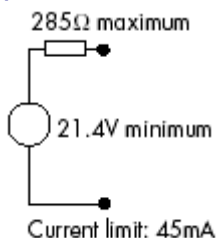
Maximum power dissipation within unit 1.6W at 24V
2.0W at 35V

Safety description 25V, 269Ω, 93mA, $U_m = 250V$ rms or dc

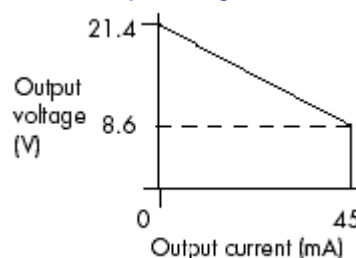
Terminal Function

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

Equivalent circuit



Minimum output voltage



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