MTL4521Y SOLENOID/ ALARM DRIVER

loop-powered, IIC

The MTL4521Y is a loop-powered module which enable a device located in the hazardous area to be controlled from the safe area. The module 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

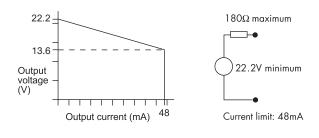
Number of channels

One

Location of load

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

Minimum output voltage Equivalent output circuit



Input voltage

20 to 35V dc

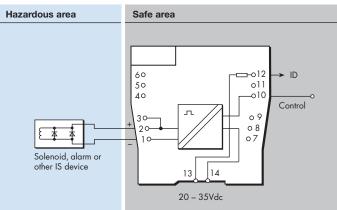
nazaruous-area output	
Minimum output voltage:	12.8V at 48mA
Maximum output voltage:	24V from 180Ω
Current limit:	48mA
Output ripple	

< 0.5% of maximum output, peak to peak

Response time

Output within 10% of final value within 100ms

MTL4521Y



LED indicator

Yellow: output status, on when output active Maximum current consumption 90mA at 24V Power dissipation within unit 1.4W at 24V Safety description $U_o=25V$ $I_o=147mA$ $P_o=0.92W$ $U_m = 253V$ rms or dc ID Resistor 150k Ω



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