MTL5024 SOLENOID/ALARM DRIVER
powered, logic drive with phase reversal

The MTL5024 allows an on/off device in a hazardous area to be controlled by a volt-free contact or logic signal in the safe area. The MTL5024 is suitable for driving loads such as solenoids, alarms, LEDs and other low-powered devices certified as intrinsically safe or classified as non-energy-storing simple apparatus. A phase reversal switch enables the user to select which phase of input signal will drive the output on.

SPECIFICATION
See also common specification

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LED indicators
Green: power indication
Yellow: status

Supply voltage
20 to 35V dc

Maximum current consumption
100mA at 24V
120mA at 20V dc
75mA at 35V dc

Maximum power dissipation within unit
1.4W with typical solenoid valve, output on
2.0W worst case

Safety description
25V, 170Ω, 147mA, Um = 250V rms or dc

Hazardous area Safe area

To earth leakage detector

Terminal Function
1  Output –ve
2  Output +ve
3  Earth leakage detection
11 Control –ve
12 Control +ve
13 Supply –ve
14 Supply +ve

Current limit: 45mA

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Yellow: status

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