



## 100mA 24V MTL Solenoid Driver Alarm Driver MTL5524 MTL5500 Intrinsically Safe Isolators

Our Product Introduction

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### Basic Information

- Place of Origin: UK/China
- Brand Name: MTL
- Certification: HART
- Model Number: MTL5524
- Minimum Order Quantity: 1
- Price: Negotiate
- Packaging Details: carton
- Delivery Time: stock
- Payment Terms: T/T
- Supply Ability: 1000pcs per week



### Product Specification

- Product No: MTL5524
- Product Type: Solenoid/ Alarm Driver
- 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
- Highlight: 100mA mtl solenoid driver, MTL5500, 24V Intrinsically Safe Isolators



### More Images



## Product Description

### MTL5524 Solenoid Alarm Driver MTL5500 Intrinsically Safe Isolators

The MTLx524 enables an on/off device in a hazardous area to be controlled by a volt-free contact or logic signal in the safe area. It can drive loads such as solenoids, alarms, LEDs and other low power devices that are certified as intrinsically safe or are classified as nonenergy storing simple apparatus.

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
- Hazardous-area output
  - Minimum output voltage: 13.6V at 48mA
  - Maximum output voltage: 24V from 180Ω
  - Maximum off-state output voltage: 4V from 180Ω
  - Current limit: 48mA minimum
- Output ripple
  - < 0.5% of maximum output, peak-to-peak
- Control input
  - Suitable for switch contacts, an open collector transistor or logic drive
  - 0 = input switch closed, transistor on or <1.4V applied
  - 1 = input switch open, transistor off or >4.5V applied
- Response time
  - Output within 10% of final value within 100ms
- LED indicators
  - Green: power indication
  - Yellow: output status, on when output active
- Maximum current consumption
  - 100mA at 24V dc
- Power dissipation within unit
  - 1.3W with typical solenoid valve, output on
  - 1.9W worst case
- Safety description
  - $U_0=25V$   $I_0=147mA$   $P_0=0.92W$   $U_m=253V$  rms or dc



HCU16	MTL5521	MTL4575
HCU3700	MTL5522	MTL4646Y
HM64RIB20-1.0	MTL5531	MTL4850
HM64RIB20-1.5	MTL5532	MTL4851
HMM64	MTL5541	MTL4852
HMRIB16-1.0	MTL5541S	MTL5018
HMS64	MTL5544	MTL5032
HTP-SC32	MTL5544D	MTL5042
MTL4044D	MTL5546	MTL5044
MTL4511	MTL5546Y	MTL5049
MTL4516	MTL5561	MTL5511
MTL4516C	MTL5573	MTL5514D

MTL4521	MTL5575	MTL5516
MTL4541	MTL5582B	MTL5516C
MTL4541	MTL7728+	MTL7787P+
MTL4544	MTL7756AC	MTLCPS16
MTL4544D	MTL7760AC	NJ5-18GK-N
MTL4546Y	MTL7761PAC	SD150X
MTL4549Y	MTL7765AC	SD32
MTL4573	MTL7787+	SD32X
TP48-4-N-NDI	TP48-3-N-NDI	SDRTD
TP48-N-NDI	TP48-4-I-NDI	SLP32D



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