

MTL5544 Eaton MTL 2 Channel Zener Barrier Power Supply Repeater

Our Product Introduction

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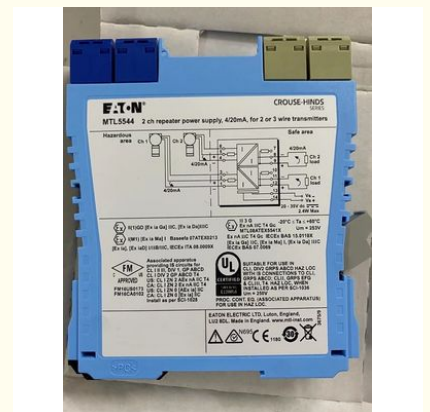
Basic Information

- Place of Origin: UK/China
- Brand Name: MTL
- Certification: HART
- Model Number: MTL5544
- Minimum Order Quantity: 1
- Price: Negotiate
- Packaging Details: carton
- Delivery Time: stock
- Payment Terms: T/T
- Supply Ability: 1000pcs per week



Product Specification

- Manufacturer: MTL Instruments
- Product No: MTL5544
- Product Type: Repeater Power Supply
- Mounting Type: DIN Rail Mount
- Maximum Current Consumption: 96mA At 24V Dc
- Power Dissipation Within Unit: 1.4W At 24V Dc
- Highlight: **MTL5544 MTL Instruments, Eaton MTL Zener Barrier, 96mA Power Supply Repeater**



More Images



Product Description

MTL5544 Eaton MTL 2 Channel Zener Barrier Power Supply Repeater

The MTL5544 provides fully-floating dc supplies for energising two conventional 2-wire or 3-wire 4/20mA or 'smart' transmitters located in a hazardous area, and repeats the current in other circuits to drive two safe-area loads. For smart transmitters, the unit allows bi-directional transmission of digital communication signals superimposed on the 4/20mA signal so that the transmitter can be interrogated either from the operator station or by a hand-held communicator.

See also common specification


- Number of channels
Two
- Location of transmitter
Zone 0, IIC, T4–6 hazardous area if suitably certified
Div. 1, Group A hazardous location
- Safe-area output
Signal range: 4 to 20mA
Under/over-range: 0 to 24mA
Safe-area load resistance: 0 to 360Ω @ 24mA
0 to 450Ω @ 20mA
Safe-area circuit output resistance: > 1MΩ
- Safe-area circuit ripple
< 50μA peak-to-peak
- Hazardous-area input
Signal range: 0 to 24mA (including over-range)
Transmitter voltage: 16.5V at 20mA
- Transfer accuracy at 20°C
Better than 15μA
- Temperature drift
< 0.8μA/°C
- Response time
Settles to within 10% of final value within 50μs
- Communications supported
HART® (terminals 1 & 2 and 4 & 5 only)
- LED indicator
Green: power indication
- Maximum current consumption (with 20mA signals)
96mA at 24V dc
- Power dissipation within unit (with 20mA signals)
1.4W at 24V 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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