



Eaton MTL5541 - FSM ASSESSED

Eaton Crouse-Hinds series MTL5500 repeater power supply, 1 channel, Analogue input, 20-35 Vdc, 0.7W at 24 Vdc dissipation, 51mA at 24V, 4-20mA signal, HART (terminals 1 & 2 only), LED indication: Green = power, 2- or 3-wire transmitters



PRODUCT NAME	Eaton Crouse-Hinds series MTL5500 repeater power supply
CATALOG NUMBER	MTL5541 - FSM ASSESSED
PRODUCT LENGTH/DEPTH	109.8 mm
PRODUCT HEIGHT	118.8 mm
PRODUCT WIDTH	15.8 mm
PRODUCT WEIGHT	150 g



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TYPE	2- or 3-wire transmitters
AREA CLASSIFICATION	Hazardous/Classified Locations
STANDARDS TYPE	IEC IECEX/ATEX
IECEX/ATEX HAZARDOUS RATING	Zone 0
MINIMUM AMBIENT OPERATING TEMPERATURE	-20 °C
MAXIMUM AMBIENT OPERATING TEMPERATURE	60 °C
MINIMUM AMBIENT STORAGE TEMPERATURE	-40 °C
MAXIMUM AMBIENT STORAGE TEMPERATURE	80 °C
HUMIDITY	5-95% relative humidity
SIGNAL TYPE	Analogue input
SIGNAL RANGE	4-20mA
RESPONSE TIME	Settles to within 10% of final value within 50μ s
LOAD RESISTANCE	0-360Ω (at 24mA), 0-450Ω (at 20mA)
NUMBER OF CHANNELS	1
TERMINAL CAPACITY	Accepts conductors of up to 2.5mm ² stranded or single-core
MOUNTING METHOD	T-section 35mm DIN rail
EMC	EN61326
RIPPLE	<50μ A peak-to-peak
SAFETY INTEGRITY LEVEL ACCORDING TO IEC61508	SIL2 and SIL3
COMMUNICATION SUPPORTED	HART (terminals 1 & 2 only)
ELECTRICAL CONNECTION	Crimp ferrules
POWER SUPPLY	20-35 Vdc
CURRENT CONSUMPTION	51mA at 24V
GALVANIC ISOLATION	250V rms between safe-area circuits and power supply
LED INDICATION	Yes
LED COLOR - POWER	Green
POWER DISSIPATION	0.7W at 24 Vdc

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□□□□□	MTL5500 Range of Isolating Interface Units - instruction manual
□□□□□□□	MTL5500 FSM Safety Manual - Analogue Input Modules MTL5500 FSM Safety Manual - Analogue Input Modules - A Variants

