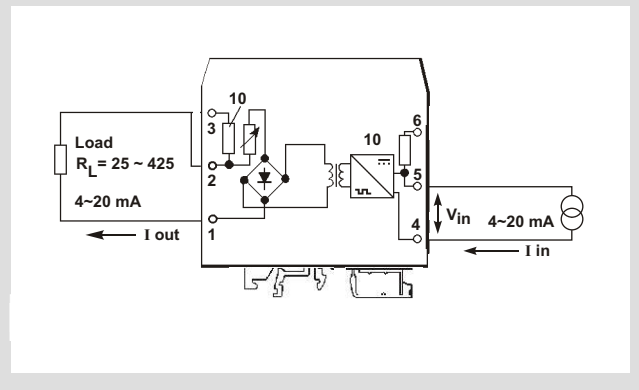




4 ~ 20 mA in, 4 ~ 20 mA out
 Isolation between input and output :
 1.5 KV AC RMS / 1 minute,
 250 V AC RMS continuous
 0.1% transfer accuracy
 3.7 V loop drop
 25 ~ 425 load
 DIN rail mounting
 No power supply required
 ON LED shows state



GENERAL

LPI 51 is a loop powered isolator suitable for a variety of applications. It can be used, for example, to isolate the 4~20 mA current signal from a 2-wire thermocouple transmitter or temperature controller, and pass it on to a PLC or datalogger. LPI 51 eliminates earth and ground loop problems and simplifies interfacing.

SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

INPUT	
Input current	4 ~ 20 mA DC
Voltage drop across input terminals	< 3.7 V DC with zero ohms load on output
Reverse polarity protection	Provided for current inputs
Maximum input current	50 mA
Over current protection	100 mA fuse on PCB
OUTPUT	
Nominal current transfer ratio	1:1 in the range of 4~20 mA
Permissible load resistance	25 ~ 425 ohms
Load trim	20-turn front panel potentiometer to trim output current for specified accuracy
ACCURACY	
Linearity & calibration	0.1% of span (I out = I in / 16 A)
Temperature coefficient of accuracy	0.01% of span per °C

ISOLATION	
Input/Output isolation	a) 1.5 KV AC RMS, 1 minute b) 250 V AC RMS, continuous
ENCLOSURE	
Material	ABS plastic
Dimensions	80(H) x 25(W) x 85(D) mm
Mounting	Snap on for 35 mm DIN rail to DIN 46277
Connection, single / stranded wires	2.5 mm ² , AWG 14
Weight	200 grams
Protection	IP 20
TEMPERATURE, HUMIDITY	
Ambient, storage	-20 to +85 °C
Ambient, operation	-20 to +70 °C
Relative humidity	0 ~ 95%

ORDER CODE	2105
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SALES INQUIRIES

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