August 2017 EPS 1173 rev 3

CROUSE-HINDS

MTL1173 potentiometer input converter

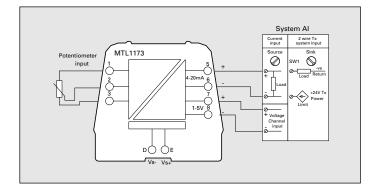
1 channel for 3 wire potentiometers

The MTL1173 is a single channel potentiometer converter with 4-20mA and 1-5V outputs

Power for this module is supplied via the power bus embedded in the DIN rail.

The PBUS6.2 kit must be ordered separately. 10×2 way power clips are provided to power 20 modules.

The MTL1991 or PBUS02 is used to feed power onto the bus.



Terminals	Function
1	Potentiometer end
2	Potentiometer wiper
3	Potentiometer end
5	Current Output + / Current Sink -
6	Current Output - / Current sink+
7	Voltage Output +
8	Voltage Output -
D	Power supply -ve
E	Power supply +ve

SPECIFICATION see also common specification	
Number of channels	One, with fully floating outputs
Location of sensor	Safe area
Input potentiometer resistance	100Ω to 100kΩ
Output range	Current output 4-20mA or voltage output 1-5V
Transfer accuracy	>1KΩ 0.2% max < 1KΩ 2% max
Temperature effect	0.01% / °C
Current consumption	37mA @ 24V current output. 13mA @ 24V voltage output
Power dissipation	0.9W @ 24V
Isolation	250V ac or dc functional isolation between power, field and system circuits. (Tested to 1100Vac)



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