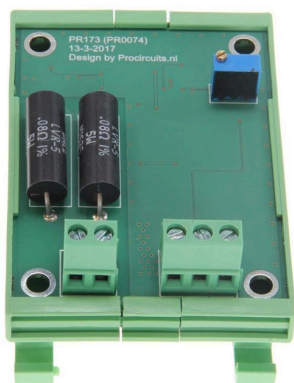


0-5 A to 0-20 mA converter for current transformers

Article number PR173



The PR173 converts a 0-5 A current into a 0-20 mA signal: 0 A gives 0 mA, 5 A gives 20 mA. The shunt resistor is on the board, so the current transformer can be connected directly. The upper limit of the output is set with the blue trimmer. Input, output and supply are not galvanically isolated from each other; when measuring the consumption of a 230 V AC device, always place a current transformer between that device and the module.

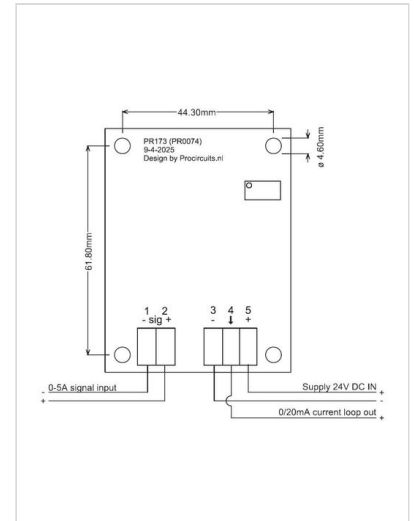
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	11.5 to 30 V DC
Input	0-5 A on terminals 1 and 2, 5 A AC RMS max.; shunt resistor on the board
Output	0-20 mA; upper limit adjustable, 22 mA max.
Isolation	Not isolated: input, output and supply are galvanically connected; terminal 3 is internally connected to terminal 1
Setup	Blue trimmer for the upper limit of the output
Input frequency	60 Hz max.
Dimensions	57 x 82 mm
Mounting	On DIN rail; board with four mounting holes Ø 4.6 mm, 44.3 x 61.8 mm centre to centre
Factory setting	0 A = 0 mA, 5 A = 20 mA

Connections

Terminal 1	Signal minus (0-5 A), internally connected to terminal 3
Terminal 2	Signal plus (0-5 A)
Terminal 3	Supply minus (0 V), also reference for the output
Terminal 4	0-20 mA output
Terminal 5	Supply plus



Setup

1. When measuring the consumption of a 230 V AC device, always place a current transformer between that device and the module.
2. Connect the current transformer to terminals 1 (minus) and 2 (plus), the supply to terminals 3 (minus) and 5 (plus), and the output to terminal 4.
3. As delivered, 0 A gives an output of 0 mA and 5 A an output of 20 mA.
4. If required, adjust the upper limit of the output with the blue trimmer.

More information, price and lead time: www.procircuits.nl/en/products/pr173

ProCircuits B.V. · Van Nijenrodeweg 903, 1081 BJ Amsterdam, Netherlands · +31 6 45 77 55 93 · willem@procircuits.nl ·

Chamber of Commerce (KVK) 87009870

We supply businesses only.