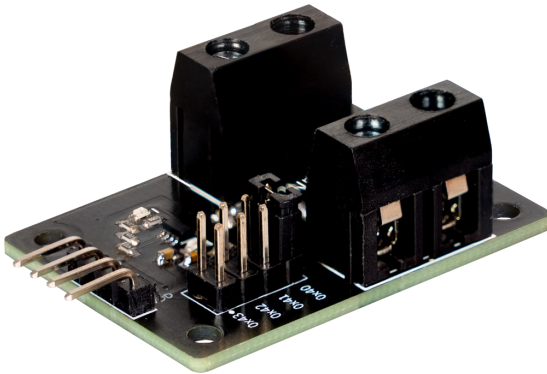


SBC-DVA

16-bit digital current monitoring board with I2C interface



The product offers a 16-bit module for monitoring the electrical current with I2C interface and is suitable for various digital bus voltages, including 1.8 V, 3.3 V and 5.0 V.

It monitors the voltage using an external resistor and provides information about the current flow, the bus voltage and the power, whereby the values can be read out directly in amperes for current and watts for power.

The device monitors the bus voltage applied to its IN- pin and is able to sound an alarm in the event of over- or under-current as well as over- or under-voltage conditions. This is visually signalled by a red LED.

The product also detects current flows at common bus voltages, which can range from 0 V to 48 V, regardless of the operating voltage.

MAIN FEATURES

Scope of delivery	SBC-DVA
Compatible with	Raspberry Pi, Raspberry Pi Pico, Arduino, micro:bit and more
Communication interface	I2C Default address: 0x40 Selectable via jumper: 0x40 0x41 0x42 0x43
Special features	Green power LED Red alarm LED

TECHNICAL SPECIFICATIONS

Supply voltage	1,7 - 5,5 V
Current measuring range	0 - 8 A
Logic level	1,7 - 5,5 V
"Common-mode" Voltage range	0 - 48 V DC
Operating temperature	-40 - +60 °C

FURTHER DETAILS

Item number	SBC-DVA
Dimensions	41 x 29 x 14 mm
Weight	10 g
EAN	425023682761
Customs tariff number	90303370