

The piezo sound emitter SUSE 4.19

to be connected to 2-8 solar cells (in series connection)
signal tone 2.6 kHz, voltage of 1 V to 5 V DC max.



Top: The device in front view, at the bottom the two connective jacks red (+) and black (-). On the other roof side the pulse emitter is located.

Bottom: The pulse emitter with the supply lines from the jacks.



The **piezoelectric sound emitter SUSE 4.19** is an acoustic indicator for the connection to solar cells or solar modules with 2...8 cells in series connection, suited for voltages of 1 V...5V DC max.

If connected, an acoustic signal with a frequency of 2.6 kHz sounds. Because of the low current of the pulse emitter (just several mA), the effect also works indoors with low light intensity. This way the proper functioning of solar cells or solar modules can be verified acoustically.

With increasing darkness or by covering solar cells with a hand or with black cardboard the pulse emitter falls silent. Mind the right polarity, when connecting!

The sound emitter SUSE 4.19 can also be connected to the solar motor SUSE 4.16, if that is used as a generator. If the blue propeller of SUSE 4.16 is blown on, the sound of the sound emitter begins from $V = 1$ V.

Technical data

Dimensions: Edge-polished plexiglass base plate 155 x 80 x 4 mm, bent to 75°

Frequency: 2500 – 2900 Hz

Voltage: 1V DC min., 5V DC max.

Current: 3 mA with 1V DC
16 mA with 5V DC

Volume: 55 dB(A) with 1V DC
68 dB(A) with 5V DC