

Can base amperage on an NPN be negative, and still work?

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I am using a couple of AND gates to turn on transistors. The datasheets say it can output a max of -24mA at HIGH. I am attaching the output to a 1K resistor - then to- the base of a NPN transistor. Does the potential amperage need to be positive in order to turn on(saturate) the transistor?

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