

Title (en)

Circuit arrangement for energising and de-energising a bistable relay.

Title (de)

Schaltungsanordnung für die Erregung und Entregung eines bistabilen Relais.

Title (fr)

Circuit pour l'excitation et la désexcitation d'un relais bistable.

Publication

EP 0384926 B1 19950215 (DE)

Application

EP 89103561 A 19890301

Priority

DE 3730517 A 19870911

Abstract (en)

[origin: EP0384926A1] In a circuit arrangement for energising and de-energising a bistable relay in the circuit of a current source whose voltage is less than the response voltage of the relay and of a transistor and charging capacitor circuit combination, the innovation consists in that the base-electrode input of a first transistor (1) in a first operating state can have applied to it a periodic pulse voltage, a charging capacitor (17) of the circuit combination in a first current path (19) being connected via a rectifier device, consisting of the diode (21) and current-limiting resistor (22) in a series circuit on the one hand and the neutral terminal (23) of the current source (2) on the other hand, and, in a second current path (24), can be switched on in a second operating state via a second transistor (25), in the event that the first transistor (1) is blocked by switching over the base electrode from the pulse voltage onto the source terminal and hence, simultaneously, in the event that the second transistor (25) is conducting, by switching over the base electrode (29) of the relay (3) and, finally, the relay (3) can be deenergised in a third operating state by applying the neutral (L) voltage to the base electrode (5) of the first transistor (1). <IMAGE>

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