

ELECTRONIC DC CIRCUIT BREAKER

Abstract:

The present invention relates to a device for connecting and breaking DC power comprising an input DC power (DC-In) arranged to be connected to a circuit board (1) and to the collector port (C) of an insulated gate bipolar transistor (IGBT). The insulated gate bipolar transistor (IGBT) is arranged to be connected to the circuit board (1). An output DC power (DC-Out) is arranged to be connected to the emitter port (E) of the insulated gate bipolar transistor (IGBT) and the circuit board (1). The circuit board (1) is arranged to be connected to the gate port (G) of the insulated gate bipolar transistor (IGBT) and the circuit board (1) is designed to monitor predetermined conditions of the input and output DC power (DC-In, DC-Out).

(Fig. 1)