

Title (en)

SAFETY SWITCH FOR SAFELY SWITCHING OFF AN ELECTRIC CONSUMER, ESPECIALLY AN ELECTRICALLY DRIVEN MACHINE

Title (de)

SICHERHEITSSCHALTGERÄT ZUM SICHEREN ABSCHALTEN EINES ELEKTRISCHEN VERBRAUCHERS, INSBESONDERE EINER ELEKTRISCH ANGETRIEBENEN MASCHINE

Title (fr)

COMMUTATEUR DE SECURITE POUR LA MISE HORS-CIRCUIT SURE D'UNE CHARGE ELECTRIQUE, EN PARTICULIER D'UNE MACHINE A ENTRAINEMENT ELECTRIQUE

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Abstract (en)

[origin: WO0211165A1] The invention relates to a safety switch (40) for safely switching off an electric consumer (42), especially an electrically driven machine. The inventive switch comprises an error-protected switch-off unit (48) and a monitoring unit (54) which both can be jointly provided with an external control signal (UB). Said switch-off unit switches the electric consumer (42) off in an error-protected manner on the basis of a defined signal status of the control signal (UB). The monitoring unit (54), in accordance with said defined signal status, generates an external monitoring signal (58; UM). The switch-off unit (48) is provided with a first delay element (44, 46) with which the switch-off of the consumer (42) is delayed by a first interval (T1). The invention is further characterized in that the monitoring unit (54) is a non-error-protected unit that provides a non-error-protected monitoring signal (58; UM) at an output (56) of the switch (40).

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