

Title (en)

Input circuit for a safety switching device, safety circuit with a safety switching device and such an input circuit, and method for monitoring a number of safety functions

Title (de)

Eingangsschaltung für ein Sicherheitsschaltgerät, Sicherheitsschaltung mit einem Sicherheitsschaltgerät und einer solchen Eingangsschaltung, und Verfahren zur Überwachung von einer Mehrzahl Sicherheitsfunktionen

Title (fr)

Circuit d'entrée pour un appareil de commutation de sécurité, dispositif de commutation de sécurité avec un appareil de commutation de sécurité et un tel circuit d'entrée, et procédé de surveillance de plusieurs fonctions de sécurité

Publication

EP 2595010 B1 20150318 (DE)

Application

EP 12193482 A 20121120

Priority

- DE 102011055560 A 20111121
- DE 102011056594 A 20111219

Abstract (en)

[origin: EP2595010A1] The input circuit has multiple sensor circuits (2) for generating the switching signals, where each sensor circuit is designed for connection with multiple control contacts of the safety relay. A main sensor circuit (1) is provided with multiple channels for connection with two control contacts. The main sensor circuit is arranged in a superordinate plane and is connected with multiple sensor circuits such that a channel of the main sensor circuit has a common control contact with the sensor circuit. An independent claim is included for a method for monitoring multiple safety functions with a safety circuit.

IPC 8 full level

G05B 9/02 (2006.01); **H01H 47/00** (2006.01)

CPC (source: EP)

H01H 47/002 (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2595010 A1 20130522; EP 2595010 B1 20150318; DE 102011056594 A1 20130523

DOCDB simple family (application)

EP 12193482 A 20121120; DE 102011056594 A 20111219