

Title (en)
TEMPERATURE SAFETY SWITCH

Publication
EP 0027647 B1 19830330 (DE)

Application
EP 80106323 A 19801017

Priority
DE 2942478 A 19791020

Abstract (en)
[origin: US4366462A] A temperature responsive safety switch including an insulating housing provided with a recess, a pair of electrically conductive contact elements mounted in the housing and defining an electric current path extending through the housing, one of the contact elements being a spring element which is internally stressed to tend to separate from the other contact element, a solder body, a plunger displaceably mounted in the housing and supported between the body and the spring element to maintain the contact elements in contact with one another when the body has not melted, and a hollow cylindrical sleeve member mounted in the housing recess and enclosing the solder body and which is oriented in the displacement direction of the plunger, the end of the plunger remote from the contact spring extending into the sleeve member with play in the direction perpendicular to the longitudinal axis of the sleeve member, and recess presenting a space around the sleeve member sufficient to receive the entire mass of solder when the solder melts and is forced out of the sleeve member by displacement of the plunger.

IPC 1-7
H01H 37/76

IPC 8 full level
H01H 37/76 (2006.01)

CPC (source: EP US)
H01H 37/764 (2013.01 - EP US)

Cited by
EP0285044A3; DE19519784A1; DE19519784C2; DE19528100A1; DE19528100C2; DE3843154A1; FR2521770A1; WO9705636A1

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EP 80106323 A 19801017; AT 80106323 T 19801017; DE 2942478 A 19791020; US 19861180 A 19801020