

Title (en)
ELECTRICAL SWITCH ELEMENT OF THE SMD TYPE

Title (de)
ELEKTRISCHES SCHALTELEMENT DES SMD-TYPS

Title (fr)
ÉLÉMENT DE COMMUTATION ÉLECTRIQUE DU TYPE CMS

Publication
EP 2647023 A1 20131009 (DE)

Application
EP 11791283 A 20111202

Priority
• EP 10193639 A 20101203
• EP 2011071663 W 20111202
• EP 11791283 A 20111202

Abstract (en)
[origin: WO2012072809A1] The invention relates to an electrical switch element of the SMD type having a body (11, 12) comprising the switch element, at least two contact surfaces (22, 24), which are provided on the lower face (42) of the body (11, 12) for SMD attachment, and an actuating element (3, 5, 6, 39), which is provided on the side opposite the lower face (42) and is movably connected to the body (11, 12) for a movement component in accordance with the longitudinal axis (43) of the switch element. An electrically conducting connection is established between the contacts (22, 24) via a switch contact (10), which can be closed with the relative movement of the actuating element (3, 5, 6, 39) to the switch contact (10). The body (11, 12) has a lower part (12), which comprises the two contact surfaces (22, 24) and the switch contact (10), and an upper part (11), which comprises the actuating element (3, 5, 6, 39). The lower part (12) and upper part (11) are to be connected via complementary latching elements (18, 19). The lower part (12) can thus be produced from a plastic material resistant to the heat of SMD soldering, while the upper part (12), which is produced from conventional materials, is placed on the lower part (12) only after soldering and completes the switch or push-button.

IPC 8 full level
H01H 13/81 (2006.01)

CPC (source: EP US)
H01H 13/10 (2013.01 - US); **H01H 13/81** (2013.01 - EP US); **H01H 2207/032** (2013.01 - EP US); **H01H 2219/062** (2013.01 - EP US)

Citation (search report)
See references of WO 2012072809A1

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)
WO 2012072809 A1 20120607; CN 103403828 A 20131120; EP 2647023 A1 20131009; US 2013248340 A1 20130926

DOCDB simple family (application)
EP 2011071663 W 20111202; CN 201180058230 A 20111202; EP 11791283 A 20111202; US 201113990500 A 20111202