

Title (en)

Universal connection system of a rotary switch with a linear actuator

Title (de)

Universelles Verbindungssystem eines Drehschalters mit Linearantrieb

Title (fr)

Système de connexion universelle d'un commutateur rotatif avec un actionneur linéaire

Publication

EP 2869325 B1 20160713 (EN)

Application

EP 14186976 A 20140930

Priority

IT BS20130156 A 20131031

Abstract (en)

[origin: EP2869325A1] A connection system (4) of a rotary switch (8) with a linear actuator (12), comprising - a switch (8) provided with visual signalling means (24) connected so as to rotate, to a first pin (28) integral and offset in relation to a shaft (20) rotating around a rotation axis (X-X), - a linear actuator (12) provided with a mobile end (44) in an actuation direction (Y-Y) not incident with the rotation axis (X-X), - wherein the first pin (28) of the switch (8) is operatively connected to the mobile end (44) of the actuator (12) by mechanical connection means (48) which convert the linear movement along the actuation direction (Y-Y) into rotary movement of the shaft (20) around the rotation axis (X-X). The mechanical connection means (48) comprise a body (52) which supports a bracket (56) which extends from a first connection end (60) to the first pin (28) of the switch (8) and to a second connection end (64) to the mobile end (44) of the actuator (12), the bracket (56) being supported so as to rotate around a second pin (68) defining a hinging axis (Z-Z), parallel to the rotation axis (X-X). The system (4) comprises adjustment means (76) suitable to modify the pitch (80) between the shaft (20) of the switch (8) and the second pin (68) of the bracket (56), said pitch (80) being perpendicular respectively to the rotation axis (X-X) and to the hinging axis (Z-Z).

IPC 8 full level

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