

Title (en)
AUTO-RESET WIRING SWITCH

Title (de)
SELBSTRÜCKSTELLENDER VERDRAHTUNGSSCHALTER

Title (fr)
COMMUTATEUR DE CÂBLAGE À RÉINITIALISATION AUTOMATIQUE

Publication
EP 4057448 A1 20220914 (EN)

Application
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Abstract (en)
The present invention discloses an auto-reset wiring switch, which enables a wire to be inserted and electrically connected, including: a switch button; an insulating body, where the insulating body is pivotally connected below the switch button, so that the switch button is pressed and rotated to control a circuit to be closed or opened; and at least one wire insertion hole is formed by penetrating the insulating body and is each provided with a first inclined plane and a second inclined plane, and an inclination angle of the first inclined plane is less than 55°; a lever handle correspondingly and pivotally connected in the wire insertion hole, where the lever handle abuts against the first inclined plane when rotating to a maximum angle; a stationary terminal correspondingly installed in the wire insertion hole, where the stationary terminal includes a copper sheet and an elastic sheet abutting against the copper sheet; and the lever handle abuts against the elastic sheet to produce a maximum elastic deformation when an operator rotates the lever handle to abut against the first inclined plane, and the lever handle rotates toward an initial position by an elastic restoring force of the elastic sheet when an external force is removed; and at least one movable terminal installed on the insulating body, where the movable terminal is rotatably connected to or separated from the stationary terminal by the switch button.

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CN 201911423016 A 20191231

Citation (search report)
• [XY] CN 111092311 A 20200501 - GUANGDONG FUTINA ELECTRICAL CO LTD, et al
• [Y] GB 2298973 A 19960918 - MATSUSHITA ELECTRIC WORKS LTD [JP]
• [Y] DE 2748273 A1 19790510 - KOPP GMBH & CO KG HEINRICH

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