

Title (en)
ELECTROMAGNETIC RELAY

Title (de)
ELEKTROMAGNETISCHES RELAIS

Title (fr)
RELAIS ÉLECTROMAGNÉTIQUE

Publication
EP 3968351 A1 20220316 (EN)

Application
EP 21196704 A 20210914

Priority
• CN 202010966508 A 20200915
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Abstract (en)
An electromagnetic relay, includes a base (1) and a magnetic circuit part (2), the magnetic circuit part (2) includes a bobbin (21) equipped with an iron core (25) and an enameled wire (24), an armature (23) and a yoke (22) connected to the iron core (25), the bobbin (21) is disposed horizontally on the base (1), the armature (23) is arranged at a knife edge of the yoke (22) and is cooperated with a pole surface (251) of the iron core (25), the electromagnetic relay further includes at least three groups of contact units distributed side by side, each group of contact units respectively includes a movable spring part (3) and a stationary spring part (4), the movable spring part (3) and the stationary spring part (4) are respectively arranged on the base (1) and cooperate with each other correspondingly, the armature (23) is connected to the movable spring part (3) of each of the contact unit through the pushing card (5) to drive the movable spring part (3) to move. The electromagnetic relay of the present disclosure not only suitable for three-phase alternating current, but also has a monostable function, and can use the pushing card (5) to achieve mandatory guidance, thereby improving the safety performance of the present disclosure.

IPC 8 full level
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Citation (search report)
• [XAI] GB 1566933 A 19800508 - FEME
• [X] US 7633363 B2 20091215 - FAUSCH WERNER [CH]
• [XI] EP 1143474 A1 20011010 - ELESTA RELAYS GMBH [CH]
• [A] EP 2394284 A2 20111214 - CLODI L L C [US]

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