

ABSTRACT

ISOLATION VACUUM CIRCUIT BREAKER WITH ZERO-CROSSING OPENING AND CLOSING AND CONTROL SYSTEM THEREOF

An isolation vacuum circuit breaker with zero-crossing opening and closing, including a functional conversion group, two permanent magnet operating mechanisms and an isolating switch operating device; the functional conversion group includes a flange, a bearing, an AB-phase output shaft and a C-phase output shaft; each phase of the solid-sealed polar column is preset with an operating rod, wherein the operating rod of the two-phase solid-sealed polar column is in transmission connection with the AB-phase output shaft, the operating rod of another phase of the solid-sealed polar column is in transmission connection with the C-phase output shaft; and the C-phase output shaft is sleeved on the AB-phase output shaft, and the two permanent magnet operating mechanisms are used for respectively driving the AB-phase output shaft and the C-phase output shaft, realizing three-phase different period phase-controlled opening and closing.

(Figure. 1)