

ROTARY CONTACT ASSEMBLY FOR HIGH AMPERE-RATED CIRCUIT BREAKERS

Abstract

5 A circuit breaker rotary arm (26) for movable contacts (29,30) is used within a plurality of single pole circuit breakers (11, 12, 13) ganged together to form a single multi-pole circuit breaker (10). To provide uniform contact wear among the associated circuit breaker contacts (27, 28, 29, 30), a rotor (25) carrying a pivot (39) of the rotary contact arm (26) is slotted to automatically position the rotary arm (26) supporting the movable contacts (29, 30) to allow for changes in the geometry of the
10 contacts (27, 28, 29, 30) while maintaining constant contact compressive forces. The individual circuit breakers (11, 12, 13) connect with the central operation mechanism (18) by means of a single pin (38).

Figure 1