

Title (en)
ELECTRICALLY CONDUCTIVE LOOP OF CIRCUIT BREAKER

Title (de)
ELEKTRISCH LEITFÄHIGE SCHLEIFE EINES SCHUTZSCHALTERS

Title (fr)
BOUCLE ELECTRIQUEMENT CONDUCTRICE D'UN DISJONCTEUR

Publication
EP 3483912 A1 20190515 (EN)

Application
EP 17823580 A 20170703

Priority
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Abstract (en)
An electrical path for a circuit breaker, comprising: an inlet contact group (121, 122); an outlet contact group (131, 132); and a conductive assembly (115, 111, 112). The inlet contact group (121, 122) is connected to an inlet terminal (123), and the outlet contact group (131, 132) is connected to an outlet terminal (133). The conductive assembly (115, 111, 112) comprises a soft connection assembly (115) and a hard connection assembly (111, 112). The hard connection assembly (111, 112) is fixed to a base of the circuit breaker; the soft connection assembly (115) is connected to the inlet contact group (121, 122) and the outlet contact group (131, 132); the soft connection assembly (115) and the hard connection assembly (111, 112) are connected to provide an electrical path between the inlet contact group (121, 122) and the outlet contact group (131, 132). The inlet contact group (121, 122) and the outlet contact group (131, 132) are mounted coaxially. By combining a soft connection and a hard connection, the electrical path utilizes the flexibility of the soft connection to make the mounting of the contact groups more flexible and convenient and utilizes the hard connection to obtain a reliable and stable electrical path, thus achieving a balance between assembly efficiency and assembly quality.

IPC 8 full level
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