

Title (en)

ELECTRIC CONNECTION BASE PLATE IN PARTICULAR FOR EXPLOSIBLE ENVIRONMENT AND METHOD FOR MAKING SAME

Title (de)

ELEKTRISCHER SOCKELKONTAKT, INSBESONDERE FÜR EXPLOSIVE ATMOSPHÄRE, UND DESSEN HERSTELLUNGSVERFAHREN

Title (fr)

SOCLE DE CONNEXION ELECTRIQUE, NOTAMMENT POUR ATMOSPHERE EXPLOSIBLE, ET SON PROCEDE DE FABRICATION

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Application

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Abstract (en)

[origin: FR2786932A1] The invention concerns an electric connection base plate (2), in particular for an explosible environment, provided with electrical contacts (4a, 4c) mounted in peripheral contact housings (5a, 5c) of an insulating unit (6) and designed to co-operate with the corresponding contact pins (3a, 3c) of a plug (1) while a safety disc (9) provided with at least as many peripheral orifices (10a, 10c) as the insulating unit is equipped with contact peripheral housings (5a, 5c), is mounted rotating on said insulating unit (6) through a central orifice (10b) with which it is equipped and whereof the inner surface co-operates with the lateral surface of a central protuberance (13) of the insulating unit (6) forming a rotating hub. The inventive base plate is characterised in that at least some of the surfaces in contact with the safety disc (9) and with the insulating unit (6) as well as the respective inner surfaces of at least the peripheral orifices (10a, 10c) of the safety disc (9) and outer surfaces of the plug corresponding pins (3a, 3c) form explosion-proof joint surfaces such that at least the insulating unit peripheral contact housings (5a, 5c) constitute at least an explosion-proof casing.

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