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SOCKET SAFETY SYSTEM

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The invention relates to a socket safety system, intended for overheating protection of the power plug terminals and for increasing the force at the contact level, using a system consisting of two springs that ensure a firm contact. The invention consists of a solution that is actuated by nitinol springs in response to the increase in temperature, leading to their compression, ensuring an increase in force, and therefore a firmly contact with the coupling terminals.

Advantages

- it assures the safety in operation, reducing the contact resistance between the consumer and the supply voltage;

- it allows the reduction of heating of the equipment due to the improvement of the contact when the intensity of the current at the coupling level increases;

- it implies reduced manufacturing costs.