

Title (en)
A WATERPROOF STRIP LIGHT THAT FACILITATES AUTOMATED PRODUCTION

Title (de)
WASSERDICHTES STREIFENLICHT, DAS DIE AUTOMATISIERTE HERSTELLUNG ERLEICHTERT

Title (fr)
BANDE LUMINEUSE ÉTANCHE FACILITANT LA PRODUCTION AUTOMATIQUE

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Application
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Abstract (en)
[origin: EP4033145A1] The present invention discloses a waterproof strip light for automated production, comprising: a strip light holder, a light housing, a light emitting circuit board and a waterproof light holder, said waterproof light holder comprising: an end cover, set on a mounting opening with a insertion hole; a plug connector, the connection structure of which is fixedly connected to the inner side of said end cover, the body of which extends into said light housing and is provided with a first waterproof structure between the inner wall of said light housing; an electrical connection assembly, comprising an external component set on said insertion hole. The electrical connection assembly, including an external connector set on said insertion hole, a second electrical connection set on said plug and said first electrical connection resiliently against said electrical connection and said external connector and said second electrical connection, said conductive member extends through said plug and sealed through the channel by the second waterproof structure; the present invention connects the second electrical connection of the electrical connection assembly and the first electrical connection on the light-emitting circuit board by elastic means. The second electrical connection of the electrical connection assembly and the first electrical connection on the light-emitting circuit board are electrically connected by elastic tightening, avoiding the need for manual welding operations and allowing automated production.

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