

Title (en)  
CURRENT SENSOR AND KIT-OF-PARTS

Title (de)  
STROMAUFNEHMER UND KIT-OF-PARTS

Title (fr)  
CAPTEUR DE COURANT ET KIT DE PIÈCES

Publication  
**EP 4241345 A1 20230913 (DE)**

Application  
**EP 21759089 A 20210813**

Priority  
EP 2021072629 W 20210813

Abstract (en)  
[origin: WO2023016661A1] In a current sensor (8, 8'), in particular a contact-making adapter, for an electrical load (100) for attachment to a carrier system (3) with a large number of longitudinal electrical conductor tracks (5, 6) which run parallel to one another and have an alternating electric potential, wherein the current sensor (8, 8') comprises at least three, preferably at least five and particularly preferably precisely five, electrically conductive contact elements (81, 82, 83, 84, 85) with a cross-sectional width (p), in particular an operative diameter, wherein the contact elements (81, 82, 83, 84, 85) form a polygon with a height (H), provision is made for the contact elements (81, 82, 83, 84, 85) to have a contact element length (n), such as a needle length, for the conductor tracks (5, 6) to pass through.

IPC 8 full level  
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**H01R 25/142** (2013.01); **F21V 21/002** (2013.01); **H01R 4/2406** (2018.01); **H01R 13/6205** (2013.01); **H01R 25/147** (2013.01)

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