

Title (en)  
Thermal relay.

Title (de)  
Thermisches Relais.

Title (fr)  
Relais thermique.

Publication  
**EP 0110758 A1 19840613 (FR)**

Application  
**EP 83402162 A 19831108**

Priority  
FR 8219731 A 19821125

Abstract (en)  
1. A thermal relay comprising : a first case (2'') in which are disposed current monitoring bi-metal strips (3 to 5) adapted to communicate their movements to a link (9) and a second removable case (2') associated with the first one so that the link may communicate to a normally closed safety switch (45), placed inside, a work position in which the switch is open, characterized in that this switch (45), a movement transmission device (77) and a thermal compensation device (19) are disposed in said second case (2') having a small width ("q") measured in the direction of movement of the link (9) and having on several faces (80, 61, 64, 110) access windows (85, 84, 83, 109, 116) which are closed by dividing walls (72, 63, 86, 76) belonging to the first case (2'').

Abstract (fr)  
Relais thermique comprenant un premier boîtier recevant les bilames de surveillance du courant et un second boîtier amovible contenant un interrupteur de sécurité. Des leviers (14, 17, 20, 33, 46) appartenant respectivement à un dispositif de transmission (77), à un dispositif de compensation thermique (19) à un dispositif de passage de point mort (30) et à l'interrupteur de sécurité (45) sont pivotés autour d'axes placés dans un plan médian PP' du second boîtier (2') qui est perpendiculaire à la direction de déplacement d'une réglette (9, 10) placée entre les bilames et le dispositif de transmission. Ce relais thermique de faible volume est avantageusement utilisé en association avec des petits contacteurs.

IPC 1-7  
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CPC (source: EP)  
**H01H 83/223** (2013.01); **H01H 71/02** (2013.01); **H01H 2071/109** (2013.01)

Citation (search report)  
• US 3315054 A 19670418 - DALE LANGLEY HOWARD  
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**EP 0110758 A1 19840613; EP 0110758 B1 19860416**; AT E19324 T1 19860515; DE 110758 T1 19841025; DE 3363092 D1 19860522; FR 2536905 A1 19840601; FR 2536905 B1 19850322; JP H0367294 B2 19911022; JP S59108230 A 19840622

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