

Title (en)  
A MEDIUM VOLTAGE SWITCHING POLE ARRANGEMENT

Title (de)  
MITTELSPANNUNGSSCHALTPOLANORDNUNG

Title (fr)  
AGENCEMENT DE PÔLE DE COMMUTATION MOYENNE TENSION

Publication  
**EP 3979280 A1 20220406 (EN)**

Application  
**EP 20199836 A 20201002**

Priority  
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Abstract (en)  
The invention relates to a medium voltage switching pole arrangement, comprising:- an insulating housing (10) with an upper terminal (20) and a lower or lateral terminal (50);- a vacuum interrupter (30) comprising a fixed contact (32) and a moveable contact (34);- a flexible or slidable electrical contact (40); and- a pushrod (60).The vacuum interrupter is located within the insulating housing. The pushrod (60) is located within the insulating housing (10). A first end of the pushrod (60) is coupled to the moveable contact (34) of the VI and to the flexible or slidable electrical contact (50), A second end (66) of the pushrod (60) comprises a threaded portion (64). The pushrod (60) is configured to move along a centre axis of the insulating housing (10) to move the moveable contact (34) of the VI (30) to connect to and disconnect from the fixed contact (32) of the VI (30). The insulating housing (10) comprises a standardized interface (100) to which any drive (400) of a plurality of drives (400) can be mounted, such that a shaft of the drive, with a threaded portion (420) that matches the threaded portion (64) of the pushrod (60), is configured to move the pushrod (60) along the centre axis of the insulating housing (10).

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Citation (search report)  
• [Y] US 4568804 A 19860204 - LUEHRING ELMER L [US]  
• [Y] WO 0157896 A1 20010809 - ABB AB [SE], et al  
• [A] US 5889248 A 19990330 - PLETTNER HORST [DE], et al

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