

Title (en)  
SLIDABLE CONNECTOR WITH ARRESTERS FOR SEPARATION MODULES

Publication  
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Application  
**EP 81104454 A 19810610**

Priority  
DE 3113759 A 19810404

Abstract (en)  
[origin: US4420792A] The subject-matter of the present invention is a plug-in connector with arresters (1) for separating blocks, comprising a cartridge-type housing (20) of insulating material having receptacles for the arresters (1), each of said arresters being connected through a respective fuse element (11) and an earth contact (3) to an earth strip (7) and being exchangeably retained within the receptacle by means of compression springs (10). In order to obtain a number of advantages with respect to manufacture and operation, such as simple construction and inexpensive manufacture as well as easy manipulation and suitability for two respective tapping contacts per arrester, in the plug-in connector according to the invention the arresters (1) each comprise three electrodes (12, 12', 12'') each of which is connected to a contact pin (c, b, a) both mechanically and electrically. The contact pins (c, b, a) engage into clamping contacts (2, 3, 4), the two outer ones (2, 4) of which are connected each to a tapping contact (5, 6) accessible from the outside and the central clamping contact (3) of which is connected to the U-shaped earth strip (7). The fuse element (11) associated with each arrester and being in the form of a solder pellet is disposed between the central electrode (12) and an earth bar (8) accessible from outside and electrically and mechanically connected to the earth strip (7). The compression spring assemblies for the arresters (1), which assemblies (10) are accessible through openings (9) formed in the housing, comprise electrical contacts (17, 18) which are associated to the outer electrodes (12', 12'') of the arresters (1) but which will make an electrical contact only after the solder pellet has melted.

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