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(54) Title: BUTTON CONNECTOR WITH SAFE FRONT

(57) Abstract

A connector set (24) provided with a first (26) and second (28) connectors. The first connector having a first housing (30), and first and second contacts (68, 72) which are at least partially captured in the first housing. The first connector further includes a resilient biasing member (38) disposed within the first housing and normally maintains the first and the second contact in spaced relation to each other. The second connector is provided with a second housing (46) and a third contact (52) which is at least partially captured within the second housing. The application of pressure to the first contact by the third contact in an amount sufficient to compress the biasing member results in electrical engagement between the first and the second contacts and the electrical connection between the third contact to the second contact. The removal of such pressure from the first contact results in the resilient return of biasing member to an uncompressed state which separates the first and the second contacts from each other and breaks the electrical connection between the third and the second contacts.

