

Abstract

An electrical contact element for a plug-in connector has a metallic base body (111, 211) and a wear layer (113, 213) applied to the base body (111, 211). The wear layer (113, 213) consists of pure ruthenium or of an alloy with the components 50 – 100 % w/w ruthenium, 0 – 30 % w/w nickel, 0 – 20 % w/w chromium, 0 – 20 % w/w cobalt, 0 – 20 % w/w platinum and 0 – 1 % w/w further alloy elements. A metallic intermediary layer (112, 212) is arranged between the base body (111, 211) and the wear layer (113, 213), which has a thickness (d_{112} , d_{212}) ranging from 1.5 μm to 4.0 μm .

(Fig. 3)