

A method of interaction of external systems with the functionality of a software and computing complex for calculating short-circuit currents and relay protection settings.

Abakumov S. A., Vishtibeev A. V., Ponomarev E. A., Savvin D. N., Cheganova N. F., Erekeykin E. I.

Software ARU RZA, having in its composition a larger set of functionality, provides the opportunity to use them at the request of external systems. The ability to generate complex calculation tasks determines API architecture, and therefore it has certain features. PVK ARURZA Public API consists of three modules that allow calculating the parameters of the electrical network and relay protection settings, determining the minimum composition of generation equipment and performing automated calculation of relay protection settings. The article discusses the API implementation as part of the software ARU RZA. Application programming interface allows you to make the interaction of automated systems more efficient and safer.

Key words: software, short-circuit currents calculation, relay protection and automation devices, applications programming interface, API.