Short Information for 7XV5662-0AA00 / 01

The communication converter for coupling to a communication network (CC-XG) is a peripheral device linked to the protection device via fiber optic cables, which enables serial data exchange between two protection devices. It uses a digital communication network. The electrical interfaces in the CC-XG for the access to the communication device are selectable as X21 (64 kbit/s, 128 kBit/s, 256 kbit/s or 512 kbit/s) or G703.1 (64 kbit/s). At the opposite side the datas are converted by a second communication converter so that they can be read by the second device. The communication converters thus allow two protection devices to communicate synchronously and to exchange large data volumes over far distances. Typical applications are the serial protection interfaces of differential protection and distance protection of the devices 7SD52, 7SD61, 7SA52 and 7SA6, where 7XV5662-0AA00 must be used.

Should asynchronous serial datas of differential protection 7SD51 or of the binary signal transducer 7XV5653 be transmitted, the device 7XV5662-0AA01 must be used (asynchronous from 300 bit/s to 115,2 kbit/s dependend on the baudrate set for X21 or G703.1 interface). The connection to the protection device is made interference-free by means of a multimode fiber-optic cable, with ST-connectors at the CC-XG. The maximum optical transmission distance is 1.5 km (0.93 mile). The data transfer between the protection devices is realized as a point-to-point connection that is bit-transparent. Data must be exchanged on dedicated communication channels not via switching points.