

High-voltage switch **VVK AXle**

- 300 channels  
2120 VDC/1500 VAC

The module serves as a high-voltage matrix switch for analog signals and connects any of the 300 independent output lines to the input lines forming the operating or measuring channel. The module is designed to work in the automated multi-channel cable testers of the TEST-9110-AXle series of new generation.

Based on the AXle VKK module, up to 1500 channels of the TEST-9110-AXle cable tester are accommodated in a 6-slot AXle rake, in a 14-slot crossover it is easy to place 3900 channels



Specifications

<p>The module provides:</p> <ul style="list-style-type: none"><li>• connection to the object of control of 300 output lines;</li><li>• connection to any of 300 output lines of any of four input measuring lines: "Eo / Io", "+ Ux", "Ix / -Ux" and "-Io"</li></ul>	<p>When the output line is connected to the input line, a channel is formed with the following characteristics:</p> <ul style="list-style-type: none"><li>• maximum switching voltage (DC voltage value or AC voltage amplitude value) 1000 V;</li><li>• maximum switching current 0.5 A;</li><li>• maximum switched power 10 W;</li><li>• maximum current flowing when the channel relay is in the closed state 1 A;</li><li>• closing / opening time of a switching element (relay) no more than 1 ms.</li></ul>
<p>The maximum voltage that can be applied between two input lines, between two output lines, between any input and any output line when the relay contacts are open between them, no more than 2120 V DC voltage or 1500 V AC amplitude (2120 VDC and 1500 VAC)</p>	
<p>The module provides the possibility of functional verification of the main nodes in the "Self-control" mode</p>	<p>Insulation resistance between two input lines, between two output lines, between any input and any output line with open relay contacts between them at least 1 GOhm</p>

Main technical characteristics of the interface part

<p>The interface part of the AXle-0 trunk module is based on the Cortex M4 processor and provides the following Base interface (LAN) characteristics:</p> <ul style="list-style-type: none"><li>• interface type - 10Base-TX / 100Base-TX;</li><li>• interface speed - 10/100 Mb / s;</li><li>• ETHERNET mode - full-duplex;</li><li>• Auto-Negotiation mode of operation (with automatic coordination of the mechanism for exchanging information between two network terminals);</li><li>• the presence of a built-in WEB interface for managing module settings.</li></ul>
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