

This is a low-current, electromagnetic, neutral, monostable, DC reed relay ; designed to switch DC & AC electrical circuits; manufactured according to GOST 16121-86 and Br0.450.001 TY.

Environmental ratings: temperate and cold climate 2.1.



Ordering data: **Relay RGK 13 Br4.569.000-01 Br0.450.001 TY**

Technical Parameters

Type	Model	Coil Resistance, Ohm	Rated Voltage, V	Operate Voltage, V, not more than	Release Voltage, V, not less than
RGK 13	Br4.569.000	28,2±2,8	3±0,3	1,76	0,5
	Br4.569.000-01	68,8±6,9	5±0,5	2,75	0,8
	Br4.569.000-02	134±20	6,3±0,63	3,5	1
	Br4.569.000-03	440±0,3	12,6±1,26	7,2	2,1
	Br4.569.000-04	1700±255	27±2,7	15,4	4,6

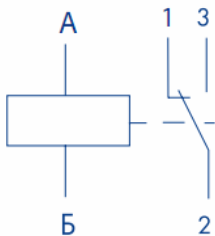
Technical Specifications

Contact Resistance (when voltage (6±1) V and Current Strength (10±1)mA), Ohm	0,6
Operate Time, ms, not more than	2,0
Release Time, ms, not more than	2,5
Insulation Resistance between Relay Circuits and between Relay Circuits and Package, mOhm: at normal ambient temperature (coil de-energized)	500
at maximal operating temperature (after time of operating live coil standing)	20
Insulation Resistance in Conditions of High Humidity, mOhm: between contacts, between contacts and coil, between contacts and package	10
between coil and package	5
AC Test Voltage (effective value) between Relay Circuits and between Relay Circuits and Package, V	500
at normal ambient temperature	300
in conditions of high humidity	150
at low air pressure	
AC Test Voltage (effective value) between Open Contacts, V;	125
Weight, g, not more than	13

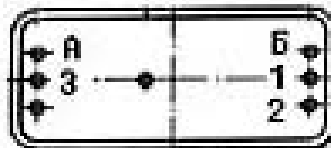
Switching Modes

Switching Range		Current Type	Type of Load	Switching Frequency, Hz, not more than	Number of Switching Cycles	
I, A	U, V				Σ	$t^{\circ}=70^{\circ}\text{C}$
$5 \cdot 10^{-6} - 0,01$	$5 \cdot 10^{-2} - 6$	const & var	active	50	$5 \cdot 10^5$	$2,5 \cdot 10^5$
0,01 - 0,25	6 - 40					
0,25 - 0,5	6 - 36	const		10	10^4	$5 \cdot 10^3$
0,5 - 1	6 - 36			1	10^3	$5 \cdot 10^2$
0,01 - 0,15	6 - 36		active and inductive $\tau \leq 0,015 \text{ c};$ $R_{\text{act}} = 240 \text{ Ohm}$	50	$8 \cdot 10^5$	$4 \cdot 10^5$

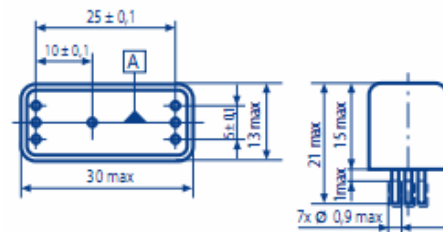
Schematic Circuit Diagram



Terminal Position



External Dimensions



Operating Conditions

Ambient Temperature, °C	from minus 40 to plus 70
Air Pressure, Pa, (mm of Mercury)	from 53 600 to 297 193 (from 400 to 2280)
Relative Humidity at 35 °C, %	to 98
Vibration Loads: from 1 to 60Hz over 60 to 600Hz	with amplitude to 1,5 mm with acceleration to 49 m/sec ² (5g)
Shock Loads	10000 shocks with acceleration to 150 m/sec ² (15g)
Linear (Centrifugal) Loads	to 490 m/sec ² (50g)