

This is a low-current, electromagnetic, neutral, monostable, reed relay for DC with two magnetic operated contacts (hermetic sealed contacts) КЭМ3; 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: **RGK 14 Br4.569.000-01 Br0.450.001 TY**



Technical Parameters

Model	Coil Resistance, Ohm	Rated Voltage, V	Operate Voltage, V, not more than	Release Voltage, V, not less than
Br4.569.000	15,2±1,5	3±0,3	1,76	0,48
Br4.569.000-01	36,5±3,6	5±0,5	2,65	0,72
Br4.569.000-02	63±6,3	6,3±0,63	3,4	1
Br4.569.000-03	210±31,5	12,6±1,26	6,4	1,9
Br4.569.000-04	1160±174	27±2,7	17	5

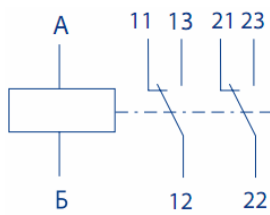
Technical Specifications

Contact Resistance, 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 at maximal operating temperature	500 20
Insulation Resistance in Conditions of High Humidity, mOhm : between contacts, between contacts and coil, between contacts and package, between coil and package	10 5
AC Test Voltage (effective value) between Relay Circuits and between Relay Circuits and Package, V : at normal ambient temperature at high humidity at low air pressure	500 300 150
Weight, g not more than	18

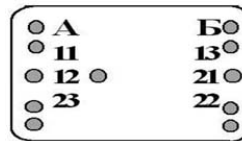
Switching Modes

Switching Ranges		Current Type	Type of Load	Switching Frequency, Hz, not more than	Number of Switching Cycles	
I, A	U, B				Σ	t=70°C
5·10 ⁻⁶ - 0,01	5·10 ⁻² - 6	const & var	Active	50	5·10 ⁵	2,5·10 ⁵
0,01 - 0,25	6 - 40					
0,25 - 0,5	6 - 36	const		10	10 ⁴	5·10 ³
0,5 - 1	6 - 36			1	10 ³	5·10 ²
0,01 - 0,15	6 - 36		Active and Inductive $\tau \leq 0,015$ c	50	8·10 ⁵	4·10 ⁵

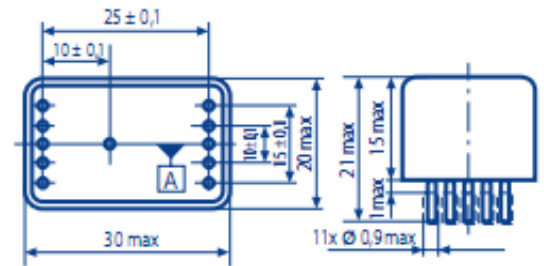
Schematic Circuit Diagram



Terminal Position



External Dimensions



Operating Conditions

Ambient temperature , °C	From minus 40 to plus 70
Air pressure, Pa, (mm of Mercury)	5,4·10 ⁴ ... 2,9·10 ⁵ (4·10 ² ... 2,3·10 ³)
Relative Humidity at 35 °C, %	to 98
Vibration loads : over 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)