

Form A reed relay

RGK49



Electromagnetic low-power miniature reed relay with one contact for closing. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

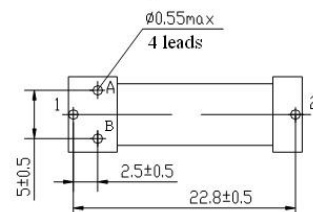
The relay has an open case with drive winding on a special frame and can operate with micrologic units of TTL, Shottky, C-MOS Series.

Specifications

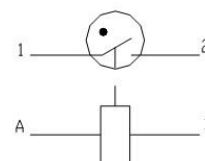
Overall dimensions, max	mm	24 x 7,8 x 10					
Relay leads length / diameter	mm	5±0.5 / Ø0.55max					
Operating voltage, ±10%	V	3	5	12	24		
Pull-in voltage, max	V	2,0	3,2	8,0	16,0		
Drop-out voltage, min	V	0,8	0,8	1,0	2,0	2,7	
Winding resistance, ±10%	Ohms	500	500	750	1100	2500	2500
Control current (reference value)	mA	6	10	6,7	11	4,8	9,6
Switching power, max	W/VA	10/10					
Switching current range	A	5·10 ⁻⁶ ... 0,5					
Switching voltage range	V	0,01 ... 100					
Resistance, max	Ohms	0,15					
Insulation resistance, min	MOhms	200					
Breakdown voltage, min							
• between open contacts of relay	V _{AC} /	160/220					
• between contacts and relay winding	V _{DC}	500/700					
Operate time, max	msec	1,0					
Release time, max	msec	0,5					
Life (depending on mode conditions)	-	5·10 ⁵ ... 1·10 ⁷					
Sinusoidal vibration (1-2000)Hz, max	g	40					
Mechanical shock							
• single-shock, duration (0,1-2)msec	g	150					
• multiple-shock, duration (2-10)msec	g	40					
Linear acceleration, max	g	20					
Operating temperature range	°C	-40 ... +85					
High humidity at +25 °C, max	%	98					
Weight, max	g	5,8	2,2	2,8	1,4	1,9	1,9

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

Arrangement of leads



Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011



www.rmcp.ru

JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"

Russia, 390027, Ryazan, Novaya street, 51 «B»

Marketing: Tel./Fax: (4912) 24-02-34, e-mail: marketing@rmcp.ru

Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07



Form C reed relay

RGK50



Electromagnetic low-power miniature reed relay with one contact for switching. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

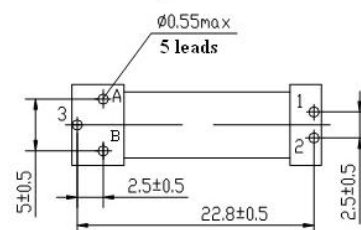
The relay has an open case with drive winding on a special frame and can operate with micrologic units of TTL, Shottky, C-MOS Series.

Specifications

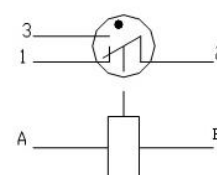
Overall dimensions, max	mm	24 x 7,8 x 10					
Relay leads length / diameter	mm	5±0.5 / Ø0.55max					
Operating voltage, ±10%	V	3	5	12	24		
Pull-in voltage, max	V	2,0	3,2	8,0	16,0		
Drop-out voltage, min	V	0,8	1,0	1,0	2,0	2,7	
Winding resistance, ±10%	Ohms	500	500	750	1100	2500	2500
Control current (reference value)	mA	6	10	6,7	11	4,8	9,6
Switching power, max	W/VA	4/4					
Switching current range	A	5·10 ⁻⁶ ... 0,25					
Switching voltage range	V	0,05 ... 60					
Resistance, max	Ohms	0,15					
Insulation resistance (N.C./N.O.), min	MOhms	20/1000					
Breakdown voltage, min							
• between open contacts of relay	V _{AC} /	140/200					
• between contacts and relay winding	V _{DC}	500/700					
Operate time, max	msec	0,5					
Release time, max	msec	2,0					
Life (depending on mode conditions)	-	1·10 ⁴ ... 1·10 ⁷					
Sinusoidal vibration (1-2000)Hz, max	g	10					
Mechanical shock							
• single-shock, duration (10-50)msec	g	20					
• multiple-shock, duration (2-15)msec		15					
Linear acceleration, max	g	10					
Operating temperature range	°C	-40 ... +85					
High humidity at +25 °C, max	%	98					
Weight, max	g	5,8	2,2	2,8	1,4	1,9	1,9

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

Arrangement of leads



Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011

www.rmcp.ru

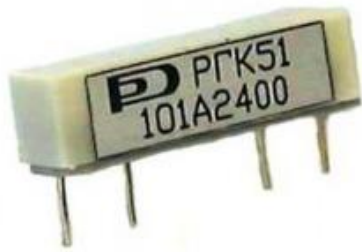


JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"
 Russia, 390027, Ryazan, Novaya street, 51 «B»
Marketing: Tel./Fax: (4912) 24-02-34, e-mail: marketing@rmcp.ru
Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07



Form A reed relay

RGK51



Electromagnetic low-power miniature reed relay with one contact for closing. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

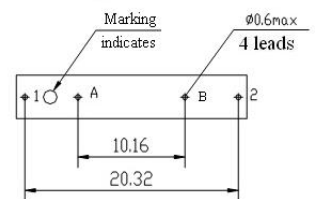
The relay has an case with arrangement of leads in one line (SIP construction) and can operate with micrologic units of TTL, Shottky, C-MOS Series.

Specifications

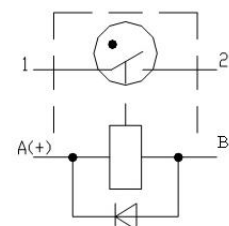
Overall dimensions, max	mm	22,1 x 5,1 x 6,4				
Relay leads length / diameter	mm	3,7±0.5 / Ø0.6max				
Operating voltage, ±10%	V	3	5	12	24	
Pull-in voltage, max	V	2,0	3,2	3,4	8,0	16,0
Drop-out voltage, min	V	0,8	1,0	1,0	2,0	2,7
Winding resistance, ±10%	Ohms	500	500	750	2500	2500
Control current (reference value)	mA	6	10	6,7	4,8	9,6
Switching power, max	W/VA	10/10				
Switching current range	A	5·10 ⁻⁶ ... 0,5				
Switching voltage range	V _{DC}	0,01 ... 120				
	V _{AC}	0,01 ... 70				
Resistance, max	Ohms	0,15				
Insulation resistance, min	MOhms	200				
Breakdown voltage, min	V _{AC} / V _{DC}	160/220				
		500/700				
Operate time, max	msec	1,0				
Release time, max	msec	0,5				
Life (depending on mode conditions)	-	5·10 ⁵ ... 1·10 ⁷				
Sinusoidal vibration (1-2000)Hz, max	g	40				
Mechanical shock	g	150				
		40				
Linear acceleration, max	g	20				
Operating temperature range	°C	-40 ... +85				
High humidity at +25 °C, max	%	98				
Weight, max	g	2,0 (1,5)				

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

Arrangement of leads



Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011

www.rmcp.ru



JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"

Russia, 390027, Ryazan, Novaya street, 51 «B»

Marketing: Tel./Fax: (4912) 24-02-34, e-mail: marketing@rmcp.ru

Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07



Form C reed relay

RGK52



Electromagnetic power reed relay with one contact for switching. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

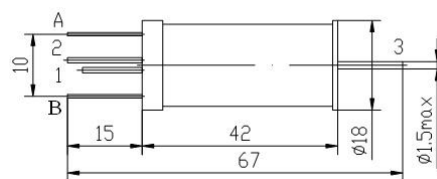
The relay has an open case with drive winding on a special frame and can operate with switching and control equipment.

Specifications

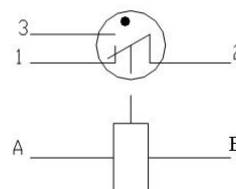
Operating voltage, $\pm 10\%$	V	15
Pull-in voltage, max	V	9,5
Drop-out voltage, min	V	1,2
Winding resistance, $\pm 10\%$	Ohms	1300
Control current (reference value)	mA	12
Switching power, max	W	120
Switching current range	A	0,01 ... 3
Switching voltage range	V	5 ... 150
Resistance, max	Ohms	0,3
Insulation resistance, min	MOhms	200
Breakdown voltage, min		
• between open contacts of relay	$V_{AC}/$	180/250
• between contacts and relay winding	V_{DC}	500/700
Operate time, max	msec	3,0
Release time, max	msec	3,0
Life (depending on mode conditions)	-	$1 \cdot 10^4 \dots 1 \cdot 10^6$
Sinusoidal vibration (1-500)Hz, max	g	10
Mechanical shock		
• single-shock, duration (10-50)msec	g	20
• multiple-shock, duration (2-15)msec		15
Linear acceleration, max	g	10
Operating temperature range	$^{\circ}\text{C}$	-40 ... +85
High humidity at +25 $^{\circ}\text{C}$, max	%	98
Weight, max	g	24

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

Outline drawing



Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011

www.rmcp.ru



JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"

Russia, 390027, Ryazan, Novaya street, 51 «B»

Marketing: Tel./Fax: (4912) 24-02-34, e-mail: marketing@rmcp.ru

Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07



Form C reed relay

RGK53



Electromagnetic low-power miniature reed relay with one contact for switching. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

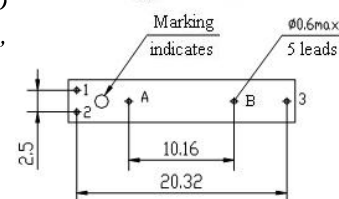
The relay has an case SIP construction and can operate with micrologic units of TTL, Shottky, C-MOS Series.

Specifications

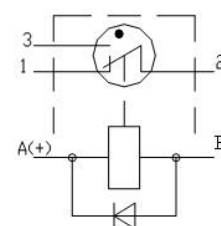
Overall dimensions, max	mm	22,1 x 5,1 x 6,4				
Relay leads length / diameter	mm	3,7±0.5 / Ø0.6max				
Operating voltage, ±10%	V	3	5	12	24	
Pull-in voltage, max	V	2,0	3,2	3,4	8,0	16,0
Drop-out voltage, min	V	0,8	1,0	1,0	2,0	2,7
Winding resistance, ±10%	Ohms	500	500	750	2500	2500
Control current (reference value)	mA	6	10	6,7	4,8	9,6
Switching power, max	W/VA	4/4				
Switching current range	A	5·10 ⁻⁶ ... 0,25				
Switching voltage range	V	0,01 ... 60				
Resistance, max	Ohms	0,15				
Insulation resistance, min	MOhms	200				
Breakdown voltage, min						
• between open contacts of relay	V _{AC} /	140/200				
• between contacts and relay winding	V _{DC}	500/700				
Operate time, max	msec	0,5				
Release time, max	msec	2,0				
Life (depending on mode conditions)	-	1·10 ⁴ ... 1·10 ⁷				
Sinusoidal vibration (1-2000)Hz, max	g	10				
Mechanical shock						
• single-shock, duration (10-50)msec	g	20				
• multiple-shock, duration (2-15)msec		15				
Linear acceleration, max	g	10				
Operating temperature range	°C	-40 ... +85				
High humidity at +25 °C, max	%	98				
Weight, max	g	2,0 (1,5)				

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

Arrangement of leads



Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011

www.rmcp.ru



JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"

Russia, 390027, Ryazan, Novaya street, 51 «B»

Marketing: Tel./Fax: (4912) 24-02-34, e-mail: marketing@rmcp.ru

Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07



Form A reed relay

RGK54



Electromagnetic power reed relay with one contact for closing. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

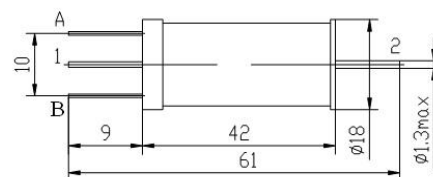
The relay has an open case with drive winding on a special frame and can operate with switching and control equipment.

Specifications

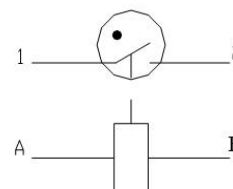
Operating voltage, $\pm 10\%$	V	15
Pull-in voltage, max	V	9,5
Drop-out voltage, min	V	1,2
Winding resistance, $\pm 10\%$	Ohms	1300
Control current (reference value)	mA	12
Switching power, max	W	250
Switching current range	A	0,1 ... 3
Switching voltage range	V	36 ... 250
Resistance, max	Ohms	0,15
Insulation resistance, min	MOhms	200
Breakdown voltage, min	V_{AC}/V_{DC}	350/490 500/700
Operate time, max	msec	2,0
Release time, max	msec	2,0
Life (depending on mode conditions)	-	$5 \cdot 10^4 \dots 1 \cdot 10^6$
Sinusoidal vibration (1-500)Hz, max	g	10
Mechanical shock		
• single-shock, duration (10-50)msec	g	20
• multiple-shock, duration (2-15)msec		15
Linear acceleration, max	g	10
Operating temperature range	$^{\circ}C$	-40 ... +85
High humidity at +25 $^{\circ}C$, max	%	98
Weight, max	g	24

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

Outline drawing



Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011



www.rmcp.ru

JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"

Russia, 390027, Ryazan, Novaya street, 51 «B»

Marketing: Tel./Fax: (4912) 24-02-34, e-mail: marketing@rmcp.ru

Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07

