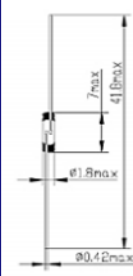


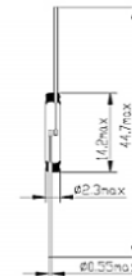
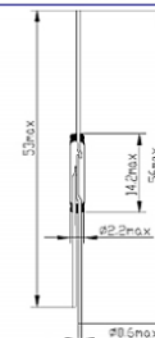


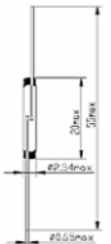
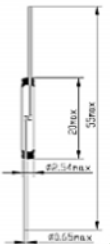
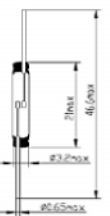
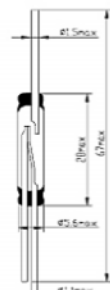
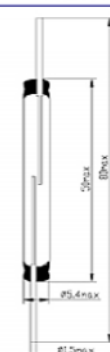



Specifications	7mm	10mm	14mm	14mm	14mm	16mm
      						
Weight, g, max	0,07	0,083	0,132	0,132	0,19	0,16
Switching current range, A	$5 \cdot 10^{-6}$ -0,1	$5 \cdot 10^{-6}$ -0,5	$5 \cdot 10^{-6}$ -0,5	$5 \cdot 10^{-6}$ -0,5	$5 \cdot 10^{-6}$ -0,25	$1 \cdot 10^{-6}$ -0,5
Carry current, A, max	0,3	0,5	1,0	0,5	0,5	1,0
Switching voltage range, V	0,05-24	0,05-100	0,01-100	0,01-100	0,05-60	0,05-100 0,05-15 lamp.
Switching power, W, max	1,0	10	10	10	4	10 5 lamp.
Resistance, Ohms, max	0,2	0,1	0,1	0,14	0,125	0,1
Insulation resistance, Ohms, min	$1 \cdot 10^9$	$1 \cdot 10^9$	$1 \cdot 10^{10}$	$1 \cdot 10^{10}$	$2 \cdot 10^7$ N.C. $1 \cdot 10^9$ N.O.	$1 \cdot 10^9$
Breakdown voltage, V _{DC} , min	150	150	220(≤20AT) 250 (>20AT)	220	200	220
Pull in range, AT	7-35	8-40	8-35	10-35	10-25	10-50
Drop out range, AT, min	4	4	4	7	5	5
Drop out / Pull in	0,35-0,95	0,35-0,9	0,35-0,9	0,8-0,95	0,35-0,9	0,35-0,95
Capacitance, pF, max	0,4	0,5	0,7	0,7	2,0	0,3
Operate time, ms, max	0,3	0,5	1,0	1,0	2 HB 0,5 HP	0,6
Release time, ms, max	0,1	0,3	0,4	0,4	0,5 HB 0,3 HP	0,4
Sinusoidal vibrations, max	10g (1-500) Hz	10g (1-2000) Hz	40g (1-2000) Hz	20g (1-2000) Hz	10g (1-2000) Hz	10g (1-2000) Hz
Mechanical shock, max	150g (0,1ms)	150g (1ms)	150g (0,5ms)	150g (0,5ms)	15g (1ms)	150g (1ms)
Resonance frequency, Hz, min	12000	5000	4000	4000	2500	3000
Operating temperature range, °C	-60...+125	-60...+125	-60...+155	-60...+155	-60...+125	-60...+125
High humidity at +25 °C, %, max	98	98	98	98	98	98
Number of turns (test coil)	5000	5000	5000	5000	5000	5000
Resistance (test coil), Ohms	580	580	870	870	600	620

Specifications	20mm	20mm	20mm	20mm	27mm	50mm	50mm
							
Weight, g, max	0,36	0,36	0,33	0,4	1,5	3,0	3,0
Switching current range, A	$5 \cdot 10^{-6}$ -0,5	$5 \cdot 10^{-6}$ -1	$1 \cdot 10^{-4}$ -0,5	$5 \cdot 10^{-6}$ -0,5	$5 \cdot 10^{-6}$ -1	0,01-5 resistive 0,01-0,4 inductive	0,01-5 resistive 0,01-0,4 inductive
Carry current, A, max	0,5	2,0	0,5	0,5	1,0	5,0	5,0
Switching voltage range, V	0,05-180 VDC. 0,05-130 VAC.	0,05-250	0,05-180	0,05-160	0,05-200 VDC. 0,05-220 VAC.	12-250	12-250
Switching power, W, max	10	50	10	15	30 1,5 VA inductive	250 90 VA induct.	250 90 VA induct.
Resistance, Ohms, max	0,15	0,1	0,15	0,15	0,15	0,15	0,15
Insulation resistance, Ohms, min	$1 \cdot 10^9$	$1 \cdot 10^{10}$	$1 \cdot 10^9$	$1 \cdot 10^9$	$5 \cdot 10^8$ N.C. $1 \cdot 10^9$ N.O.	$1 \cdot 10^9$	$1 \cdot 10^9$
Breakdown voltage, V _{DC} , min	220 (≤ 20 AT) 280 (> 20 AT)	300 (≤ 25 AT) 400 (> 25 AT)	250	180	220 (≤ 50 AT) 350 (> 50 AT)	500 (≤ 50 AT) 700 (> 50 AT)	500 (≤ 50 AT) 700 (> 50 AT)
Pull in range, AT	10-42	20-40	10-64	20-75	40-90	40-100	40-100
Drop out range, AT, min	4	8	5	6	14	16	16
Drop out / Pull in	0,35-0,9	0,4-0,9	0,3-0,9	0,3-0,9	0,35-0,9	0,4-0,9	0,4-0,9
Capacitance, pF, max	0,4	0,4	0,4	0,4	3 H3 1,5 HP	1,0	1,0
Operate time, ms, max	1,0	0,75	1,0	1,0	1,5	2,0	2,0
Release time, ms, max	0,3	0,3	0,5	0,3	2,5	1,0	1,0
Sinusoidal vibrations, max	20g (1-2000) Hz	30g (1-2000) Hz	10g (1-600) Hz	10g (1-600) Hz	10g (1-1000) Hz	10g (1-500) Hz	10g (1-500) Hz
Mechanical shock, max	150g (1ms)	150g (0,5ms)	150g (1ms)	150g (1ms)	150g (1ms)	150g (2ms)	150g (2ms)
Resonance frequency, Hz, min	2600	2600	2400	2400	2200	700	700
Operating temperature range, °C	-60...+125	-60...+125	-60...+125	-60...+125	-60...+125	-60...+100	-60...+100
High humidity at +25 °C, %, max	98	98	98	98	98	98	98
Number of turns (test coil)	5000	5000	5000	5000	5000	5000	5000
Resistance (test coil), Ohms	550	550	550	550	450	335	335