



**PIT-RADWAR S.A.**  
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## Reed relays type K-72/Nx1

This product is in accordance with RoHs

**Reed relays with 1 to 4 form A contacts  
(normally open) for PCB's.**

PARAMETERS	Unit	TYPE
		K-72/Nx1

### 1. CONTACT PARAMETERS

Switching power	max	W, VA	20
Switching voltage	max	$V_{DC}$	110
		$V_{AC}$	150
Switching current	max	A	0,8
Contact resistance	max	mA	200
Life expectancy at 60V ; 0,35A		operations	$2 \times 10^6$

### 2. RELAY PARAMETERS

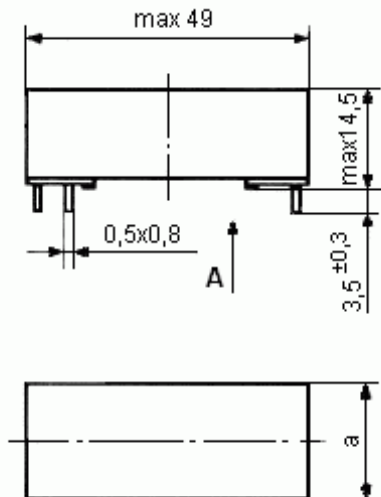
Operating voltage range		V	see p. 3
Coil resistance		A	see p. 3
Operate time incl. bounce time for: K-72 / 1 x 1 K-72 / 2 x 1 K-72 / 3 x 1 K-72 / 4 x 1	max	ms	1,5
			2,0
			2,5
			3,0
Release time	max	ms	0,5
Test voltage:· contact contact/ contact contact/ coil contact/ shield coil/ shield	min	$V_{AC}$	350
			500
			500
			500
			500
Insulation resistance	min	A	$10^9$
Admissible ambient temperature			$-40^{\circ}C \div 70^{\circ}C$

### 3. LIST OF COILS AND OPERATING VOLTAGE RANGE

Symbol of relay	Contact arrangement	Index No	Coil resistance $R_N$ [A] $t = 20^{\circ}C$	Supply voltage, $t = 20^{\circ}C$		
				$U_N$ [V]	$U_{MIN}$ [V]	$U_{MAX}$ [V]
K-72/1x1	1 form A	8-4441-751-1	$180 \pm 10\%$	6	4,0	18,4
K-72/2x1	2 form A	8-4441-752-1	$150 \pm 10\%$		4,	18,2
K-72/3x1	3 form A	8-4441-753-1	$110 \pm 10\%$		4,4	16,7
K-72/4x1	4 form A	8-4441-754-1	$75 \pm 10\%$		4,0	14,5
K-72/1x1	1 form A	8-4441-751-2	$730 \pm 15\%$	12	7,7	36,0
K-72/2x1	2 form A	8-4441-752-2	$480 \pm 10\%$		8,7	32,6
K-72/3x1	3 form A	8-4441-753-2	$430 \pm 10\%$		8,5	32,9
K-72/4x1	4 form A	8-4441-754-2	$300 \pm 10\%$		8,1	29,0
K-72/1x1	1 form A	8-4441-751-3	$2800 \pm 15\%$	24	16,8	70,5
K-72/2x1	2 form A	8-4441-752-3	$1800 \pm 15\%$		18,5	61,3
K-72/3x1	3 form A	8-4441-753-3	$1500 \pm 10\%$		17,8	59,8
K-72/4x1	4 form A	8-4441-754-3	$1200 \pm 10\%$		16,8	56,4
K-72/1x1	1 form A	8-4441-751-4	$9100 \pm 15\%$	48	28,7	127,1
K-72/2x1	2 form A	8-4441-752-4	$5400 \pm 15\%$		29,2	106,3
K-72/3x1	3 form A	8-4441-753-4	$6100 \pm 15\%$		33,7	120,6
K-72/4x1	4 form A	8-4441-754-4	$3700 \pm 15\%$		29,0	99,1

## 4. DIMENSIONS AND TERMINAL ARRANGEMENTS

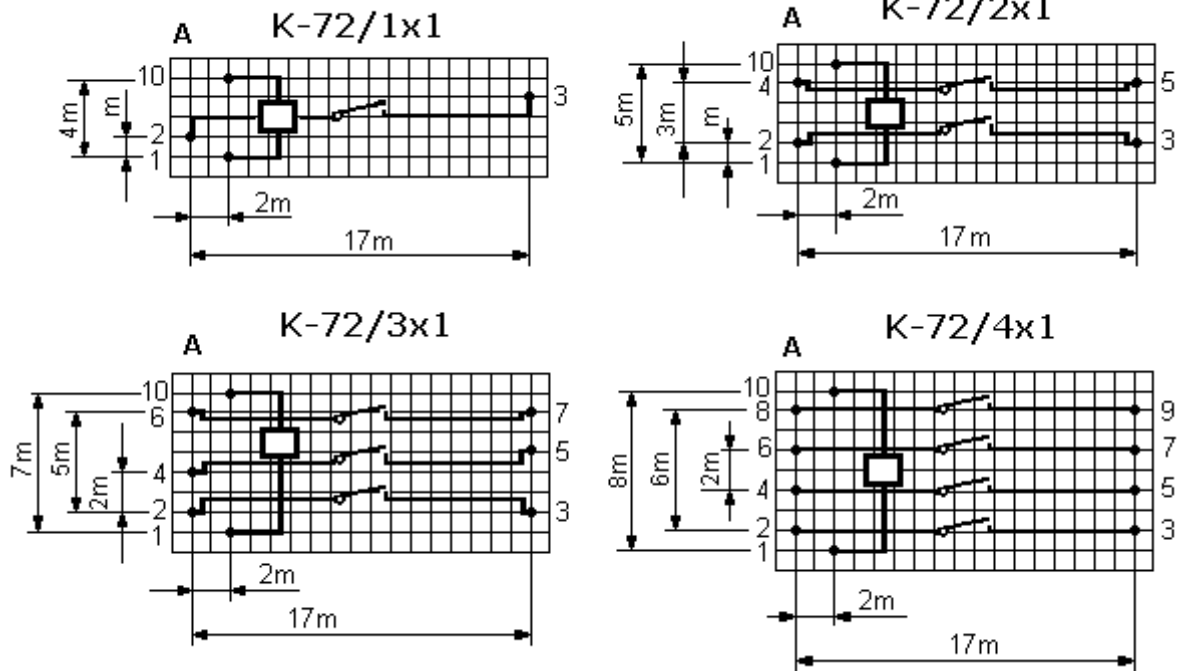
### K-72/Nx1



Reed relay	Dimension a (max)
K-72/1x1	17 mm
K-72/2x1	19,5 mm
K-72/3x1	24,5 mm
K-72/4x1	27 mm

View from the bottom side of relay

$m=2,5$



#### Ordering Information

When ordering relay please specify:

- symbol of relay
- index number

#### Recommendation for users

When mounting into printed circuit boards, it is advisable to observe the following points to avoid damage to the relays:

- the time of continuous heating of terminals during soldering should not exceed 5 s,
- the soldering iron should not press on terminals during soldering,
- the relays should not be mounted near sources of strong magnetic fields, e.g. transformers, permanent magnets etc.,
- the relays should operate at nominal supply voltages.