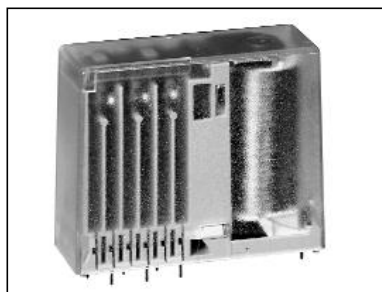


# Safety Relay K-RDA



## General

- 6 contacts
- Forced guided contact set
- According to EN 50205, application type A
- Ambient temperature -15 ... +70 °C
- Soldering heat resistance 260 °C/5s
- RoHS compliance

## Connections

- Soldering pins for PCB, pre-soldered with Sn100

## Drive

- Direct current, neutral monostable

## Approvals

- cULus • TÜV

## Standards

- EN 50205 • IEC 61810-1 • UL 508

## Technical Data mechanical

Dimensions L x W x H (in mm)	55 x 20,5 x 44
Shock resistance NO-contact/NC-contact	10/7 g, 16 ms Half sinus
Vibration resistance NO-contact/NC-contact	5/5 g, 5 - 50 Hz
Operating time NC-contact, contact opens	typical 13 ms
Operating time NO-contact, contact closes	typical 15 ms
Releasing time NO-contact, contact opens	typical 5 ms
Releasing time NC-contact, contact closes	typical 7 ms
Mechanical service life (without load)	>10 <sup>7</sup> cycles
Weight	80 g

## Technical Data electrical

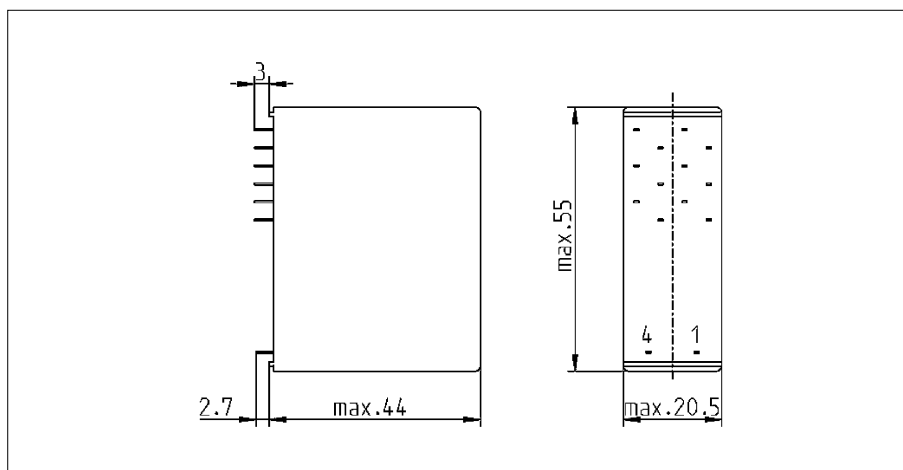
Max. switching capacity	AC 2.000 VA, DC *W
Max. switching voltage	AC 230/240 V, DC *W
Max. switching current	8 A
Constant current I <sub>th2</sub>	8 A
Constant current I <sub>th2</sub> at the same time over 2 contacts	5,6 A
Constant current I <sub>th2</sub> at the same time over 3 contacts	4,6 A
Constant current I <sub>th2</sub> at the same time over 4 contacts	4,0 A
Switching capacity NO/NC-contact AC-15 230/240 V	I <sub>e</sub> = 4/1,5 A
NO/NC-contact DC-13 24 V	I <sub>e</sub> = 1,2/1,2 A
Electrical service life (with nominal load)	>10 <sup>5</sup> cycles
Short-circuit capacity 1.000 A/AC 230 V	10 A gL/gG-fuse
* see DC-switching capacity	

## Insulation

Over voltage category (Ü) III	B-I = Basic insulation
Degree of pollution (V) 2	V-I = Reinforced (double) insulation
Insulating material group II	

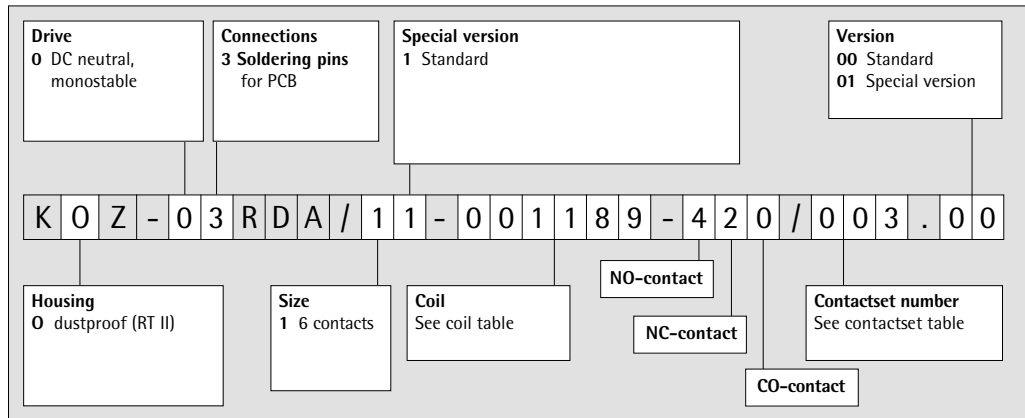
Insulation between	Nominal voltage network system		Air-/creeping distance	Test voltage 50Hz/60s
	AC 120/240 V	AC 230/400 V		
Contact - Contact	V-I	B-I	> 3 mm	AC 2.500 V
Contactset - Drive	V-I	B-I	> 3 mm	AC 2.500 V

## Dimensions



# Safety Relay K-RDA

## Type key



## Contactset table

Number of contacts NO/NC/CO-contacts	AgSnO <sub>2</sub> +0,2 μm Au	AgSnO <sub>2</sub> +2 μm Au	Contact material
330	001	002	Contactset number
420	003	004	

## Coil table

All values at ambient temperature  $T_u = 20\text{ °C}$

Coil-No.	Resistance R/Ω	Resistance- tolerance ±	U <sub>1</sub> /V	U <sub>2</sub> /V	U <sub>3</sub> /V	U <sub>rück</sub> /V	Printing U <sub>nom</sub> /V
1226	50	5%	4,3	13,3	10	0,3	6
1321	140	6%	7,5	22,2	17	0,5	12
1189	590	8%	15,5	45,2	34	1,0	24
1468	2.500	7%	31,8	93,5	71	2,0	48
1511	3.000	7%	35,1	102,3	78	2,2	60
1506	11.500	9%	71,7	199,2	156	4,4	110
1103	42.600	12%	141,4	379,1	293	8,4	220

U<sub>1</sub>: Minimum operating voltage with consideration of coil self heating

U<sub>2</sub>: Thermal restricted maximum coil voltage

U<sub>3</sub>: Maximum admissible coil voltage to realize a contact gap of > 0.5 mm also at a contact fault

U<sub>rück</sub>: Releasing voltage

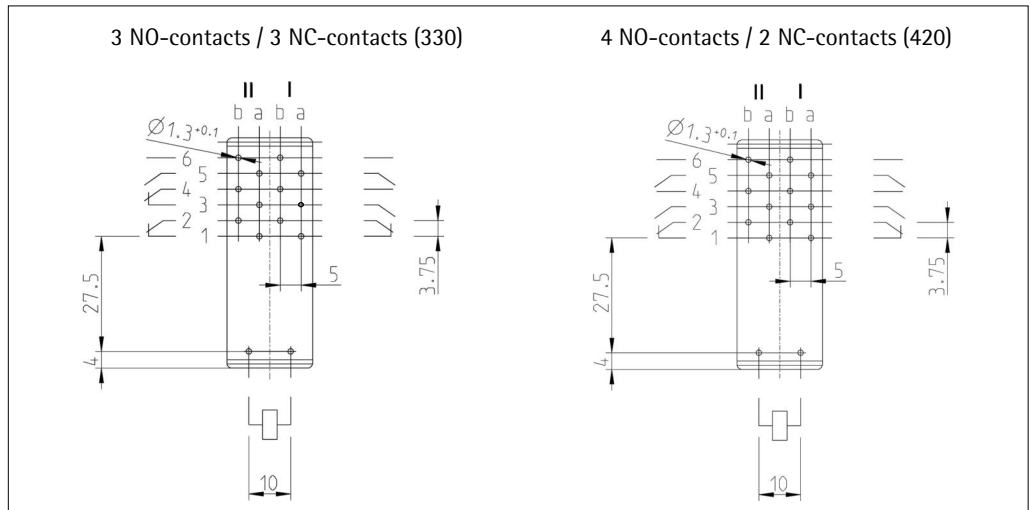
Further coils are possible and available

## Running type

Article-No.	Type key	Printing U <sub>nom</sub>	U <sub>1</sub> /V	U <sub>2</sub> /V	U <sub>3</sub> /V	U <sub>rück</sub> /V
RDA-0784	KOZ-03RDA/11-001189-420/003.00	DC 24 V	15,5	45,2	34	1,0
RDA-0785	KOZ-03RDA/11-001189-420/004.00	DC 24 V	15,5	45,2	34	1,0
RDA-0886	KOZ-03RDA/11-001189-330/001.00	DC 24 V	15,5	45,2	34	1,0
RDA-0902	KOZ-03RDA/11-001468-330/001.00	DC 48 V	31,8	93,5	71	2,0
RDA-0904	KOZ-03RDA/11-001468-420/003.00	DC 48 V	31,8	93,5	71	2,0

# Safety Relay K-RDA

**Connection grid**  
Few on soldering side



**Diagrams**

