



- Miniature power relay
- 2 change over contacts
- Hand operation
- Position indicator via LED
- Plug-in housing



Technical data

1. Mechanical Design

Self-extinguishing plastic housing, IP rating IP40
Mounting position: any

2. Coil

Duration of operation: 100%
AC-Type:

Type	Rated voltage AC	Coil resistance Ω ($\pm 10\%$)
RA 524L	24V AC	158
RA 615L	115V AC	3610
RA 730L	230V AC	16100

L LED

Rated frequency: 50/60 Hz
Rated consumption (50Hz): 1.6VA
Must release voltage: $\geq 0.2 \times U_N$
Tolerance: 0.8 to 1.1 $\times U_N$

DC-Type:

Type	Rated voltage DC	Coil resistance Ω ($\pm 10\%$)
RA 012L	12V DC	160
RA 024	24V DC	640
RA 024L		
RA 024.02L		

L LED
RA xxx.02 gold-plated contacts

Rated consumption: 0.9 W
Must release voltage: $\geq 0.1 \times U_N$
Tolerance: 0.8 to 1.1 $\times U_N$

3. Contacts

Rated switching voltage: 250V AC
Switching voltage: max. 440V AC
min. 5V AC
Rated load: AC1: 12A / 250V AC
AC15: 3A / 120V
1,5A / 240V (B300)
AC3: 370W (single-phase motor)
DC1: 12A / 24V DC
DC13: 0,22A / 120V
0,1A / 250V (R300)
Rated current: 12A
Min. switching current: 5mA
Rated inrush current: 24A
Breaking capacity: AC1: max. 3000VA
DC1: max. 288W
Min. 0.3W
Contact resistance: $\leq 100m\Omega$
Switching frequency: max. 20/min at rated load AC1
max. 300/min, no load
Contact material: AgNi or AgNi/Au 5 μ m (.02 gold-plated contacts)

4. General data

Operating time
AC: 10ms
DC: 13ms
Release time
AC: 8ms
DC: 3ms
Mechanical life: 20 $\times 10^6$ switching cycles
Electrical life: 10 $\times 10^4$ switching cycles at 12A / 250V AC (AC1)
Reduction factors for other loads see diagrams page 2
Vibration: 5g (10 to 150Hz)
Shock resistance: 10g / 5g (NO/NC)

5. Insulation (according to EN 60664-1)

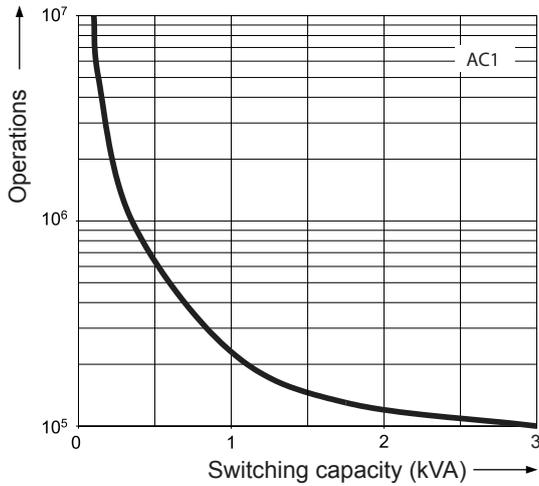
Insulation rated voltage: 250V AC
Dielectric strength test voltage:
Coil - contact: 2500V AC
Contact - contact: 1500V AC
Pole - pole: 2500V AC
Insulation:
Coil - contact: basic
Pole - pole: basic
Clearance contact - contact: micro-disconnection
Rated surge voltage: 4000V (1,2 / 50 μ s)
Overvoltage category: III
Contact - coil distance:
Clearance: $\geq 2,5mm$
Creepage: $\geq 4 mm$
Insulation pollution degree: 3

6. Ambient conditions

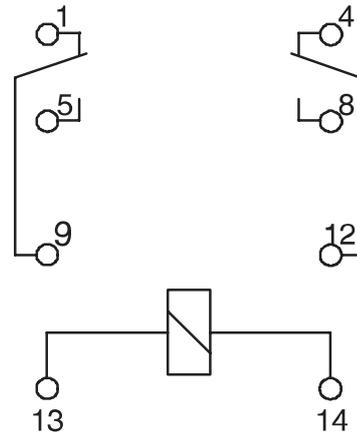
Ambient temperature:
AC: -40 to +55°C
DC: -40 to +70°C
Storage temperature: -40 to +85°C

Reduction factors

Reduction of electrical life depending on load

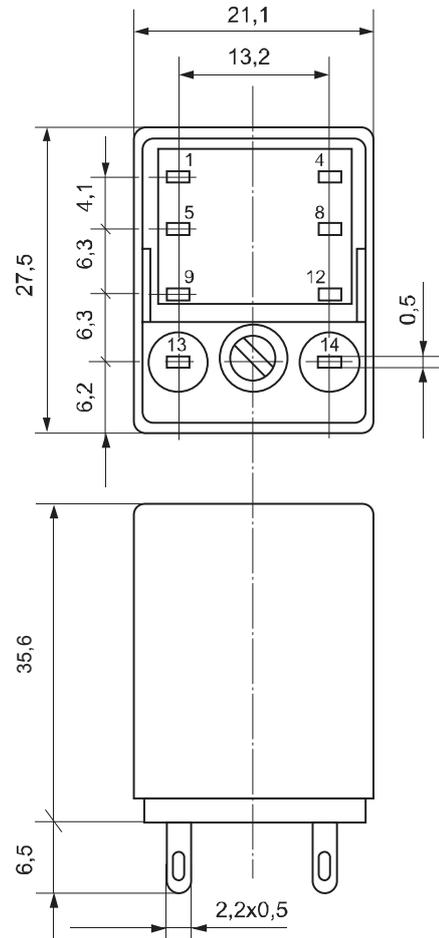
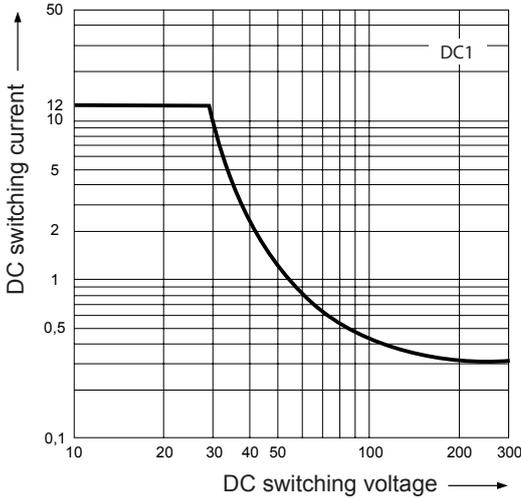


Connections



Dimensions

Reduction of switching capacity depending on switching voltage



Reduction of electrical life depending on switching voltage

