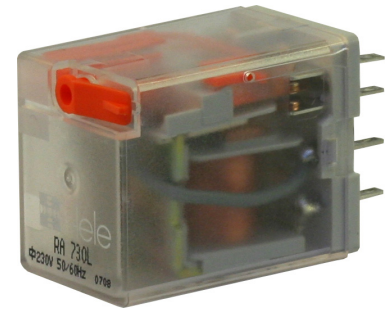




- Miniature power relay
- 2 change over contacts
- Hand operation
- Position indicator via LED
- Plug-in housing



## 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 $\Omega$ ( $\pm 10\%$ )
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 $\Omega$ ( $\pm 10\%$ )
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 $\mu$ 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)

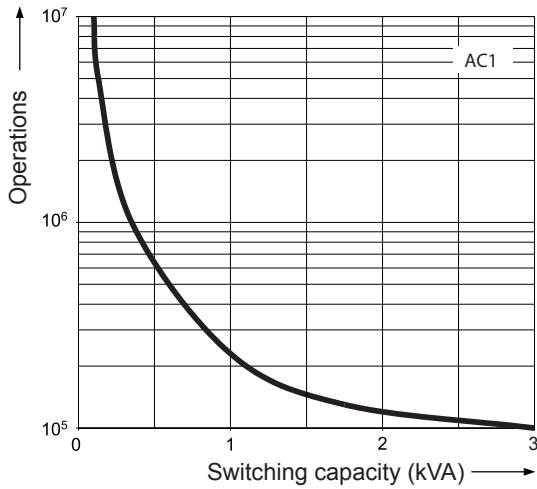
Insulation rated voltage: 250V AC  
Dielectric strength test voltage:  
Coil - contact: 2500V AC  
Contact - contact: 1500V AC  
Pole - pole: 2500V AC  
Insulation:  
Coil - contact: basic  
Pole - pole: basic  
Clearance contact - contact: micro-disconnection  
Rated surge voltage: 4000V (1,2 / 50 $\mu$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

### 6. Ambient conditions

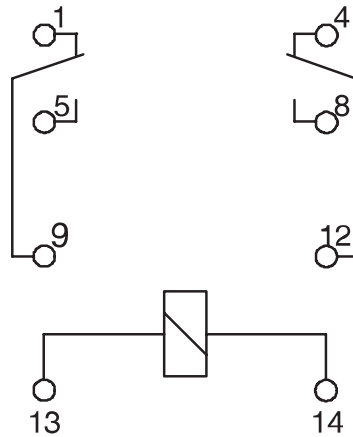
Ambient temperature:  
AC: -40 to +55°C  
DC: -40 to +70°C  
Storage temperature: -40 to +85°C

## Reduction factors

Reduction of electrical life depending on load

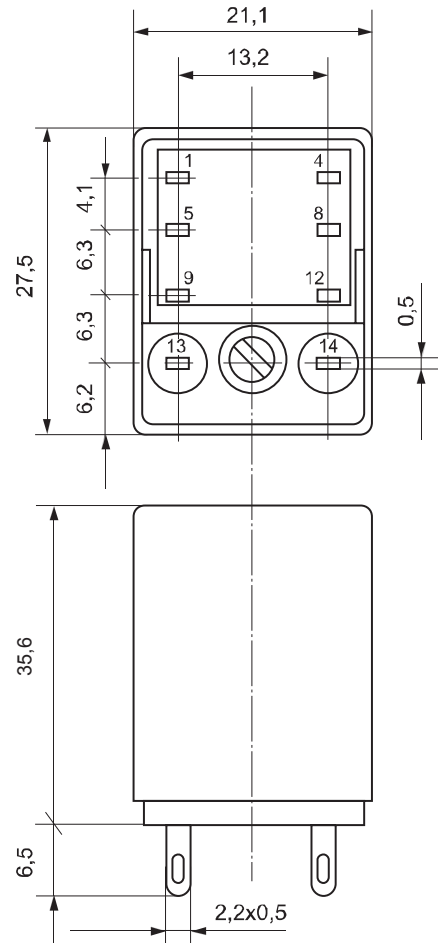
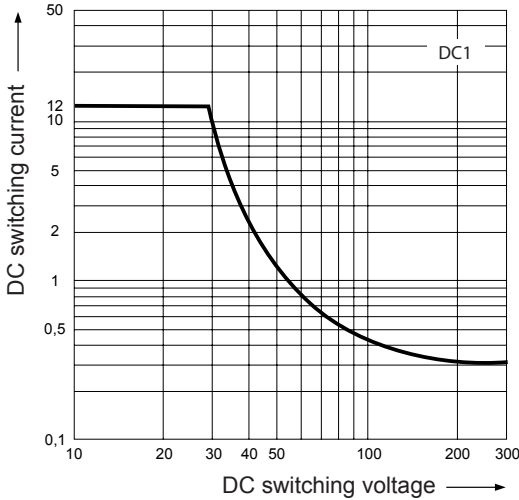


## Connections



## Dimensions

Reduction of switching capacity depending on switching voltage



Reduction of electrical life depending on switching voltage

