

- ▶ 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	3450
RA 730L	230V AC	16100

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 024L	24V DC	640

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

Switching voltage: max. 250V (AC/DC)  
min. 5V (AC/DC)  
Rated load: AC1: 12A/250V AC  
DC1: 12A/24V DC  
Switching voltage: max. 12A  
min. 5mA  
Rated inrush current: 24A  
Rated load: AC1: max. 3000VA  
DC1: max. 280W  
min. 0.3W  
Resistance:  $\leq 100\text{m}\Omega$  at 100mA / 24V  
Switching frequency: max. 20/min at rated load  
max. 300/min without load  
Contact material: AgNi

### 4. General data

Response time  
AC: 10ms  
DC: 13ms  
Release time  
AC: 8ms  
DC: 3ms  
Mechanical life: 20  $\times 10^6$  operations  
Electrical life: 10  $\times 10^4$  operations at rated load  
Reduction factors for other loads  
see diagrams page 2  
Vibration resistance: 5g (10 to 150Hz)  
Shock resistance: 10g / 5g (NO/NC)

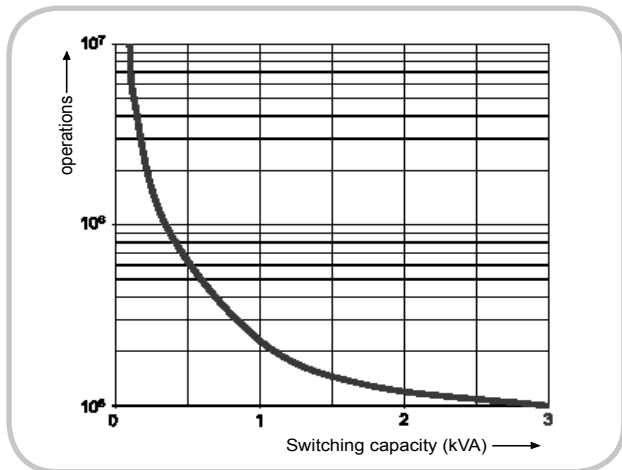
### 5. Insulation

Insulation category: C250 (according to DIN VDE 110)  
Coil - contact (50Hz): 2500V AC  
Contact - contact: 1500V AC  
Pole - pole: 2500V AC  
Surge voltage: -

### 6. Ambient conditions

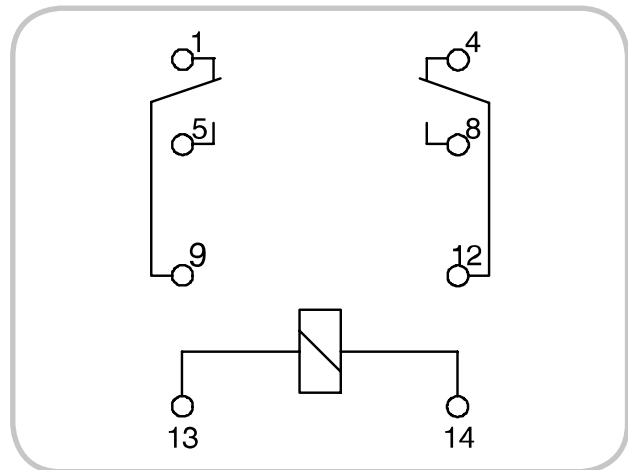
Ambient temperature:  
AC: -40 to +55°C  
DC: -40 to +70°C (according to IEC 68-1)  
Storage temperature: -40 to +85°C  
Pollution degree: 2 (according to IEC 664-1)

## Reduction factors

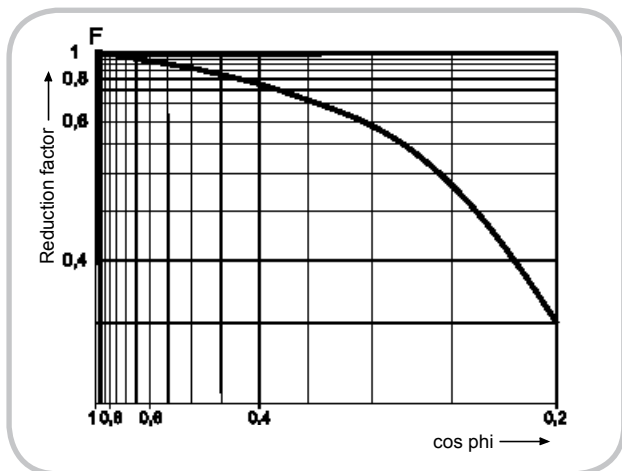


Reduction of electrical life depending on load

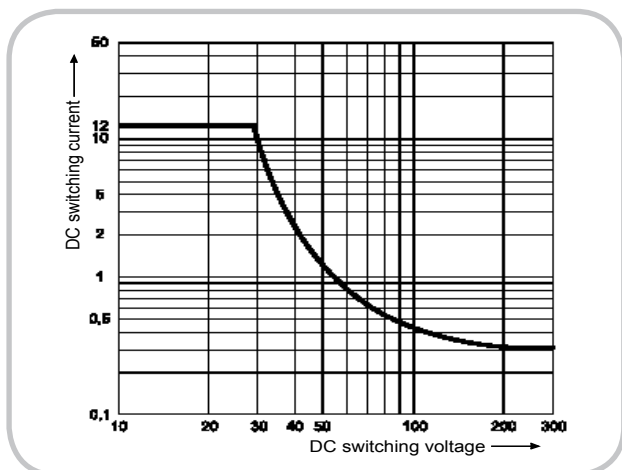
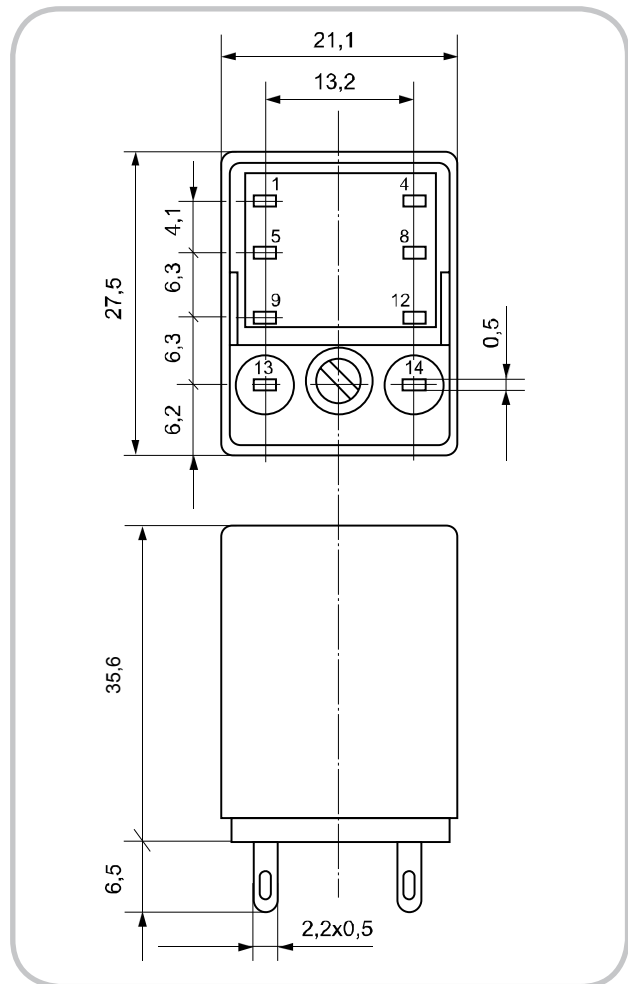
## Connections



## Dimensions



Reduction of electrical life depending on power factor value



Reduction of switching capacity depending on switching voltage