

- Industrial relays
- 2 or 3 change over contacts
- Hand operation
- Position indicator
- 8-pole or 11-pole sockets



## ► Technical data

### ► 1. Mechanical design

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

### ► 2. Coil

AC-Type:

Type	Rated voltage AC	Coil resistance $\Omega$ ( $\pm 10\%$ )
RT 1.2.012L	12V	18.5
RT 1.2.024L	24V	75
RT 1.2.110L	110V	1700
RT 1.2.230L	230V	7080
RT 1.3.024L	24V	75
RT 1.3.048L	48V	305
RT 1.3.110L	110V	1700
RT 1.3.230		
RT 1.3.230L;	230V	7080
RT 1.3.230.02L		

.2 2 change over contacts  
.3 3 change over contacts  
L LED  
.02 gold plated relay contacts

Frequency: 50/60Hz  
Rated consumption (50Hz): 2.8VA  
Duration of operation: 100%  
Must release voltage:  $\geq 0.15 \times U_N$   
Tolerance: 0.8 to 1.1  $\times U_N$

DC-Type:

Type	Rated voltage DC	Coil resistance $\Omega$ ( $\pm 10\%$ )
RT 2.2.012L	12V	110
RT 2.2.024L	24V	430
RT 2.3.012L	12V	110
RT 2.3.024		
RT 2.3.024L;	24V	430
RT 2.3.024LD;		
RT 2.3.024.02LD		
RT 2.3.48L	48V	1750
RT 2.3.060L	60V	2700
RT 2.3.110	110V	9200
RT 2.3.220	220V	37000

.2 2 change over contacts  
.3 3 change over contacts  
L LED  
LD LED und recovery diode  
.02 gold plated relay contacts

Rated consumption: 1.5W  
Duration of operation: 100%  
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. 10V AC/DC  
min. 5V AC/DC  
(gold plated contacts)  
Rated load: AC1: 10A/250V AC  
DC1: 10A/24V DC  
Switching voltage: max. 10A  
min. 5mA  
min. 2mA (gold plated contacts)  
Rated inrush current: 12A  
Rated load: AC1: max. 2500VA  
DC1: max. 240W  
min. 0.3W  
min. 0.05W (gold plated contacts)  
Resistance:  $\leq 100\text{m}\Omega$  at 100mA / 24V  
Switching frequency: max. 20/min at rated load  
max. 200/min without load  
Contact material: AgNi or AgNi/AU 5 $\mu\text{m}$

### ► 4. General data

Response time: AC: 12ms  
DC: 18ms  
Release time: AC: 10ms  
DC: 7ms  
Mechanical life: 20  $\times 10^6$  operations  
Electrical life: 20  $\times 10^4$  operations at rated load  
Vibration resistance: 5g  
Shock resistance: 10g

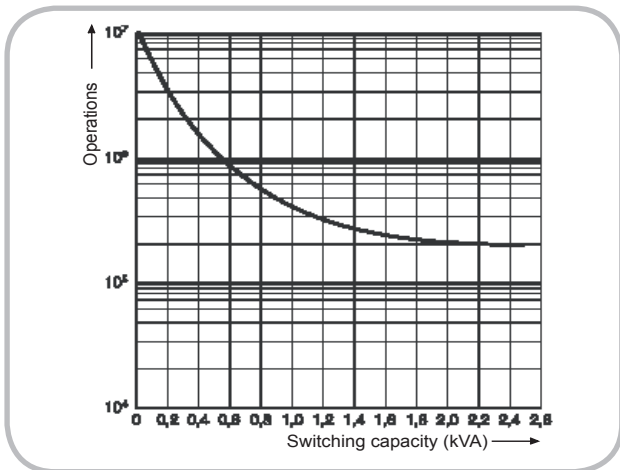
### ► 5. Insulation

Coil - contact (50Hz): 2500VAC  
Contact - contact: 1500V AC  
Pole - pole: 2000V AC  
Insulation category (DIN/VE 110): C250  
Surge voltage: -

### ► 6. Ambient conditions

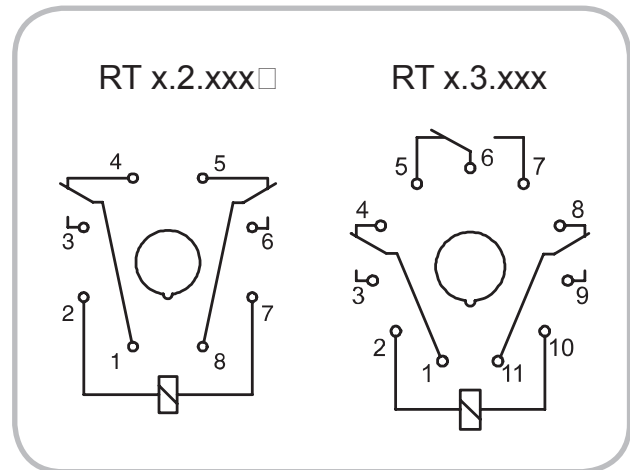
Ambient temperature:  
AC: -40 to +55°C  
DC: -40 to +70°C  
(according to IEC 68-1)  
Storage temperature: -40 to +85°C  
Pollution degree: 2 (according to IEC 664-1)

## ► Reduction factors

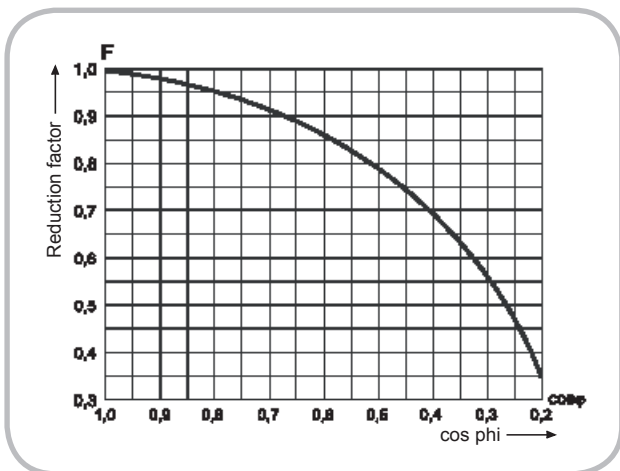
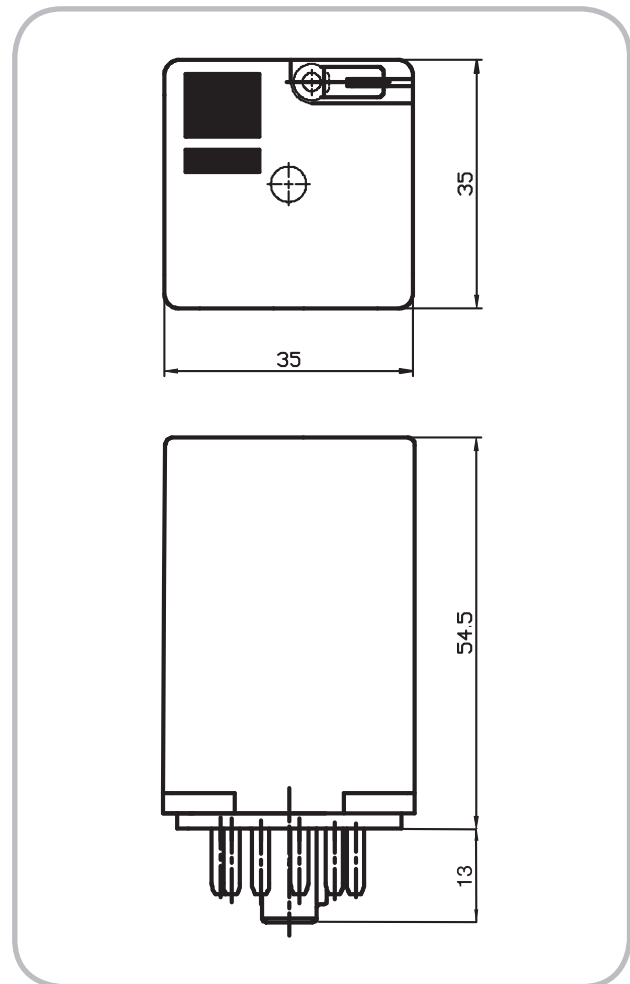


Reduction of electrical life depending on load

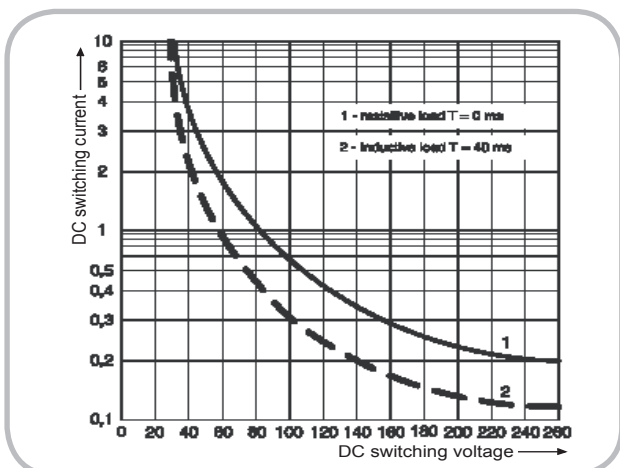
## ► Connections



## ► Dimensions



Reduction of electrical life depending on power factor value



Reduction of switching capacity depending on switching voltage