

- ▶ 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 Ω ($\pm 10\%$)
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 Ω ($\pm 10\%$)
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
Resistance: min. 0.05W (gold plated contacts)
Switching frequency: $\leq 100\text{m}\Omega$ at 100mA / 24V
max. 20/min at rated load
max. 200/min without load
Contact material: AgNi or AgNi/AU 5 μm

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

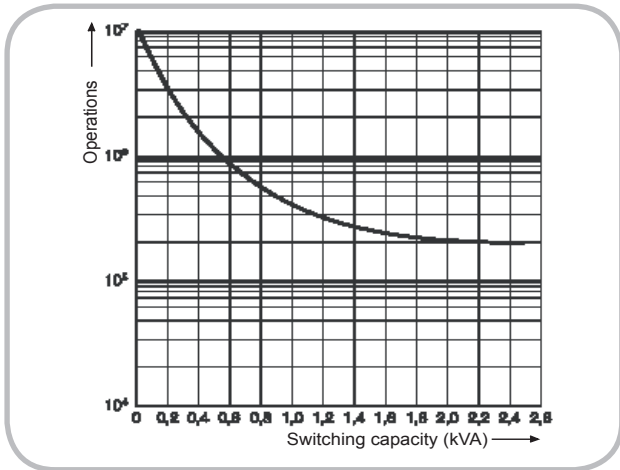
5. Insulation

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

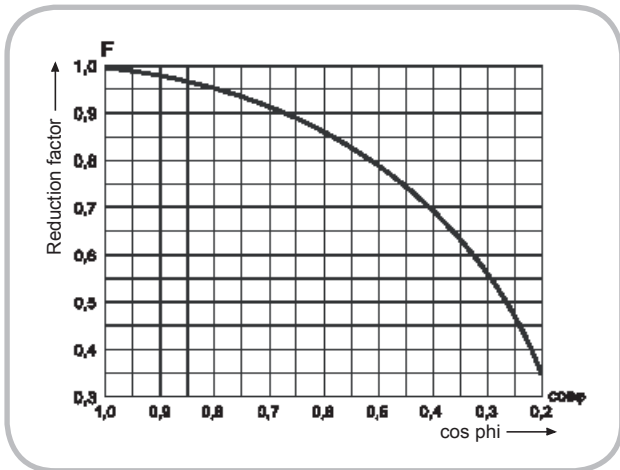
6. Ambient conditions

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)

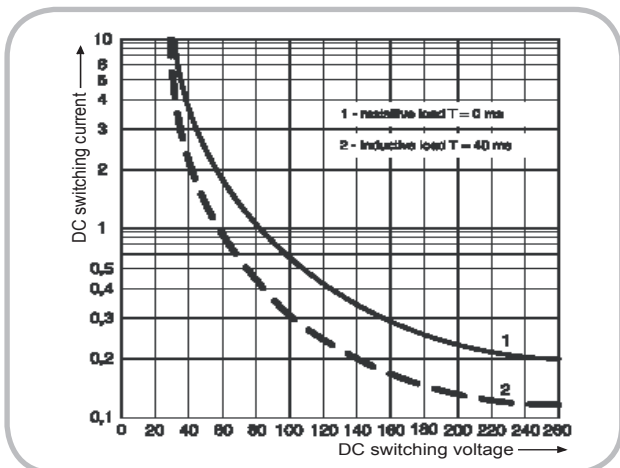
Reduction factors



Reduction of electrical life depending on load

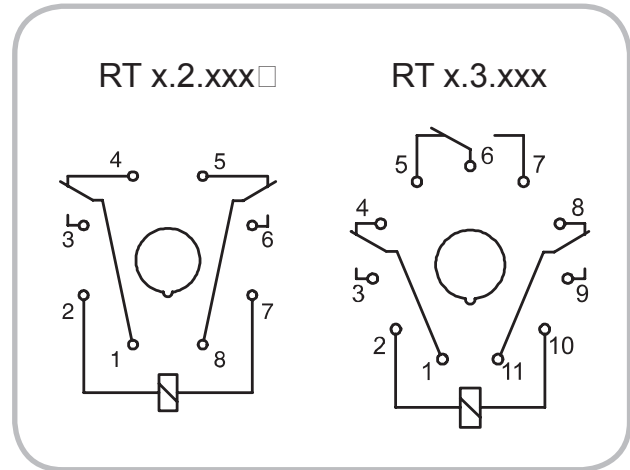


Reduction of electrical life depending on power factor value

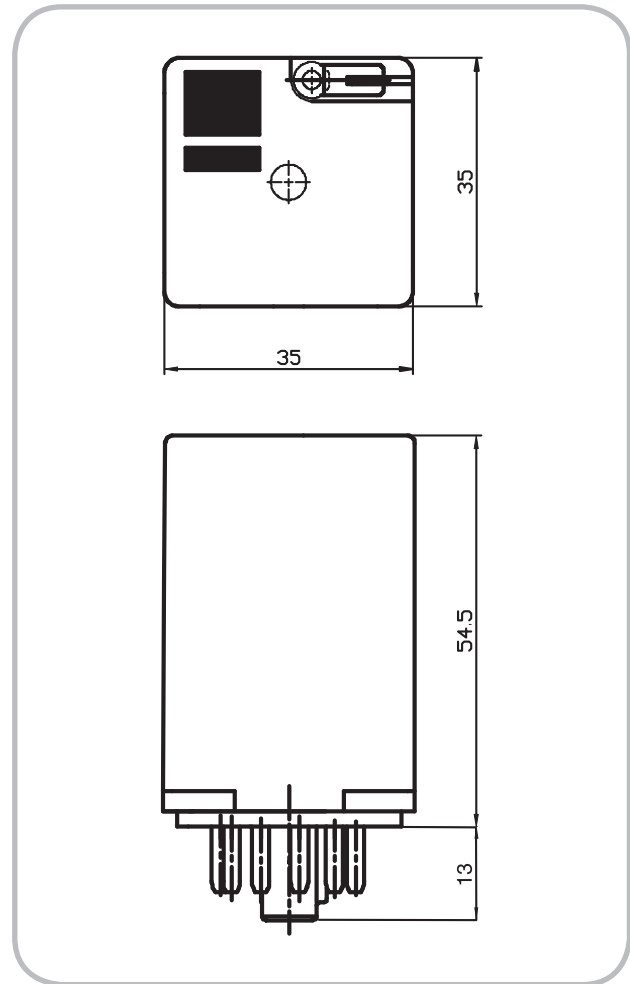


Reduction of switching capacity depending on switching voltage

Connections



Dimensions



Subject to alterations and errors