Coupling relays - Miniature power relay

- 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 (±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 x U_N

DC-Type:

Type	Rated voltage DC	Coil resistance Ω (±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 x 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 incrush current: 24A
Rated load: AC1: max. 3000VA
DC1: max. 280W
min. 0.3W
Resistance: ≤100mΩ 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 x 10^6 operations
Electrical life: 10 x 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)

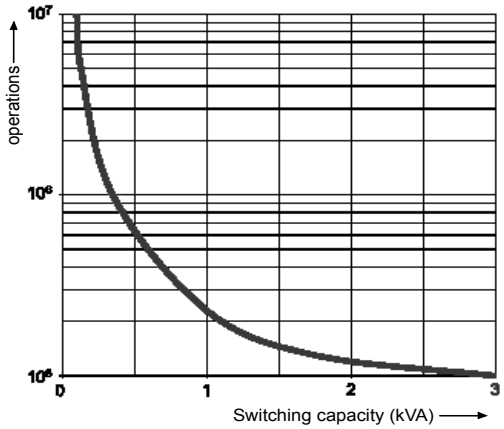
5. Insulation

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

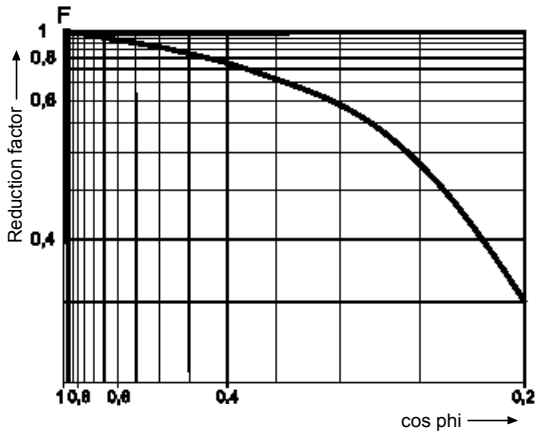
6. Ambient conditions

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)

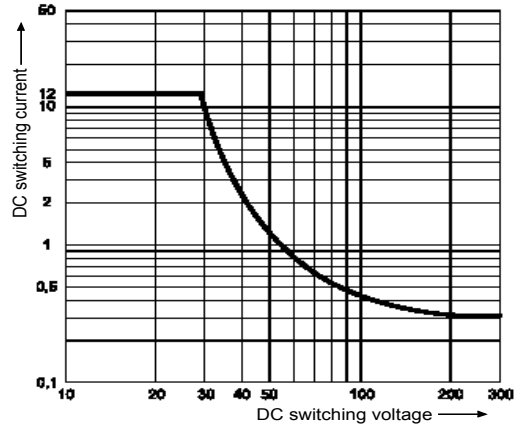
Reduction factors



Reduction of electrical life depending on load

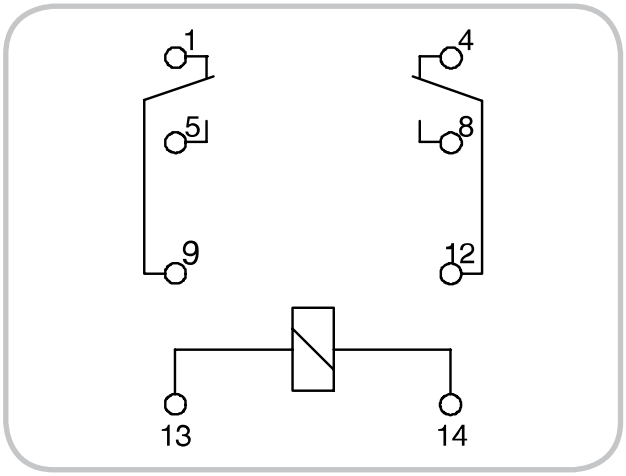


Reduction of electrical life depending on power factor value



Reduction of switching capacity depending on switching voltage

Connections



Dimensions