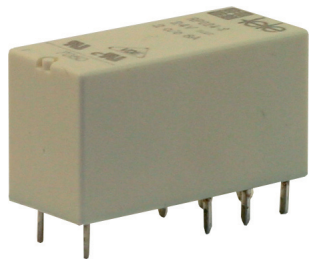
Coupling relays - PCB power relays

- PCB power relays
- 2 change over contacts
- Pluggable and solderable



Technical data

1. Mechanical design

Self-extinguishing plastic housing, IP rating IP67
Mounting position: any

2. Coil

AC-Type:

Type	Rated voltage AC	Coil resistance Ω (±10%)
RP 524-2	24V	400
RP 615-2	115V	9600
RP 730-2	230V	38500
RP 730-hv	230V	38500

hv gold plated contacts

Rated frequency: 50/60 Hz
Rated consumption (50Hz): 0.7VA
Must release voltage: ≥0.15 x U_N
Tolerance: 0.8 to 1.2 x U_N

DC-Type:

Type	Rated voltage DC	Coil resistance Ω (±10%)
RP 012-2	12V	360
RP 024-2	24V	1440
RP 024-hv	24V	1440

hv gold plated contacts

Rated consumption: 0.5W
Must release voltage: ≥0.1 x U_N
Tolerance: 0.7 to 2.55 x U_N

3. Contacts

Switching voltage: max. 400V AC
max. 300V DC
min. 5V (AC/DC)
Rated load: AC1: 8A/250V AC
DC1: 8A/24V DC
Switching voltage: max. 8A
min. 5mA
min. 2mA (gold plated contacts)
Rated incrush current: 15A
Rated load: AC1: max. 2000VA
DC1: max. 190W
min. 0.3W
min. 0.05W (gold plated contacts)
Resistance: ≤100mΩ at 100mA / 24V
Switching frequency: max. 10/min at Rated load
max. 1200/min ohne Last
Contact material: AgNi or AgNi/AU 5µm

4. General data

Response time AC: 7ms
DC: 7ms
Release time AC: 3ms
DC: 3ms
Mechanical life: 30 x 10^6 operations
Electrical life: 10 x 10^4 operations at 8A / 250V
Vibration resistance: 10g/5g (NO/NC)
Shock resistance: 10g

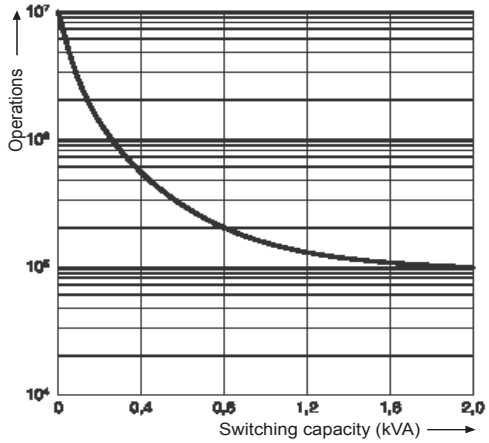
5. Insulation

Coil - contact (50Hz): 5000V AC
Contact - contact: 1000V AC
Pole - pole: 2500V AC
Insulation category: C250 / B400 (according to DINVDE 110)
Surge voltage: -

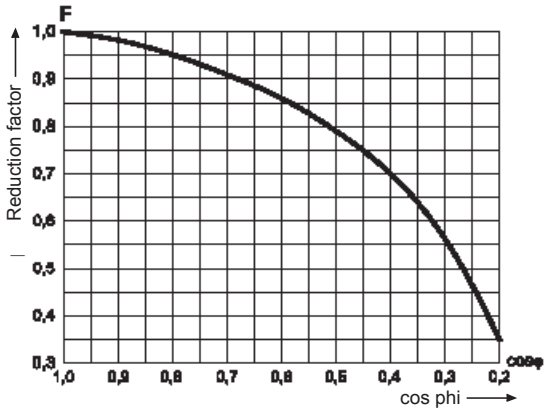
6. Ambient conditions

Ambient temperature:
AC: -40 to +70°C
DC: -40 to +85°C
(according to IEC 68-1)
Storage temperature: -40 to +85°C
Soldering temperature: max. 270°C (5s)
Pollution degree: 3 (according to IEC 664-1)

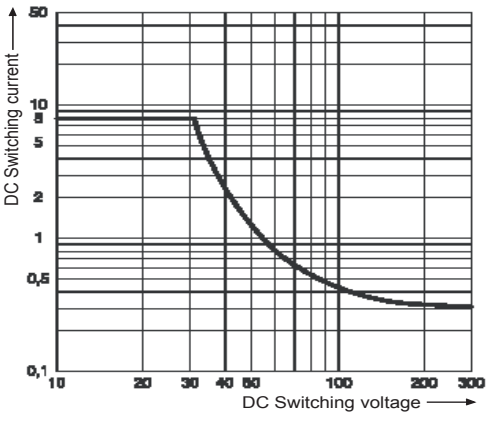
Reduction factors



Reduction of electrical life depending on load

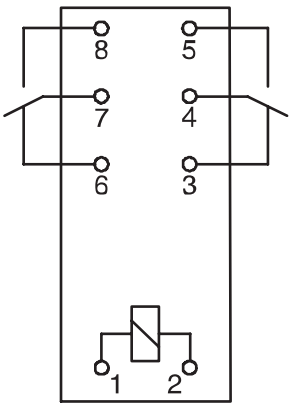


Reduction of electrical life depending on power factor value



Reduction of switching capacity depending on switching voltage

Connections



Dimensions