

- ▶ Miniature power relay
- ▶ 4 change-over contacts
- ▶ Hand operation
- ▶ Position indicator
- ▶ Plug-in housing
- ▶ Approvals: UL, VDE



## 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 $\Omega$ ( $\pm 10\%$ ) |
|------------|------------------|---|
| RM 512L    | 12V AC           | 39.5                                    |
| RM 524     | 24V AC           | 158                                     |
| RM 524L    |                  |   |
| RM 524.02L |                  |   |
| RM 548L    | 48V AC           | 640                                     |
| RM 615L    | 115V AC          | 3450                                    |
| RM 615.02L |                  |   |
| RM 730     | 230V AC          | 16100                                   |
| RM 730L    |                  |   |
| RM 730.02L |                  |   |

L LED  
.02 gold-plated contacts

Frequency: 50/60Hz  
Rated consumption AC (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 $\Omega$ ( $\pm 10\%$ ) |
|-------------|------------------|---|
| RM 012L     | 12V              | 160                                     |
| RM 012.02LD |                  |   |
| RM 024      | 24V              | 640                                     |
| RM 024L     |                  |   |
| RM 024LD    |                  |   |
| RM 024.02LD |                  |   |
| RM 048L     | 48V              | 2600                                    |
| RM 048.02LD |                  |   |
| RM 060L     | 60V              | 4000                                    |
| RM 060.02LD |                  |   |
| RM 110L     | 110V             | 13600                                   |
| RM 110.02LD |                  |   |
| RM 220L     | 220V             | 54000                                   |
| RM 220.02LD |                  |   |

L LED  
LD LED and recovery diode  
.02 gold-plated contacts

Rated consumption: 0.9W  
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: 6A/250V AC  
DC1: 6A/24V DC  
Switching voltage: max. 6A  
min. 5mA  
min. 2mA (gold plated contacts)  
Rated inrush current: 12A  
Rated load: AC1: max. 1500VA  
DC1: max. 144W  
min. 0.3W  
min. 0.1W (gold plated contacts)  
Resistance:  $\leq 100m\Omega$  at 100mA / 24V  
Switching frequency: max. 20/min at rated load  
max. 300/min without load  
Contact material: AgNi oder AgNi/AU 5 $\mu$ m

### 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 5A / 250V  
Vibration resistance: 5g  
Shock resistance: 10g

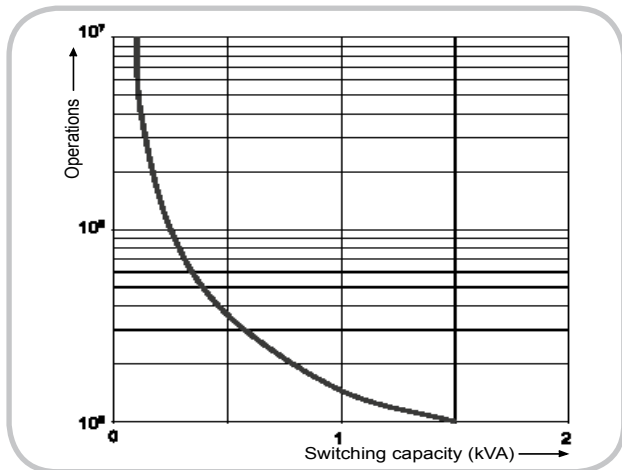
### 5. Insulation

Coil - contact (50Hz): 2500VAC  
Contact - contact: 1500V AC  
Pole - pole: 2000V AC  
Insulation category: B250 (according to DIN VDE 110)  
Surge voltage: -

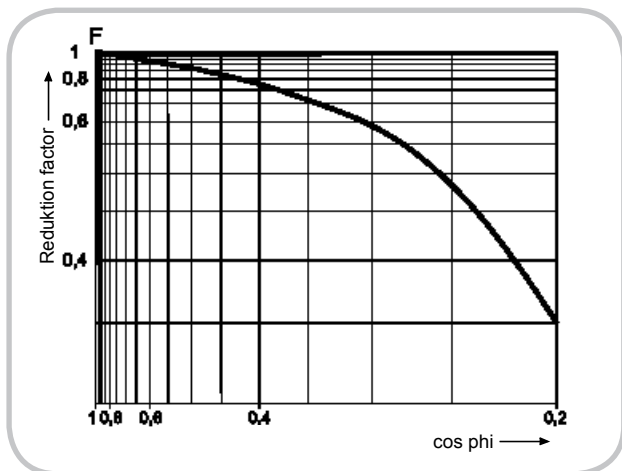
### 6. Ambient conditions

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:

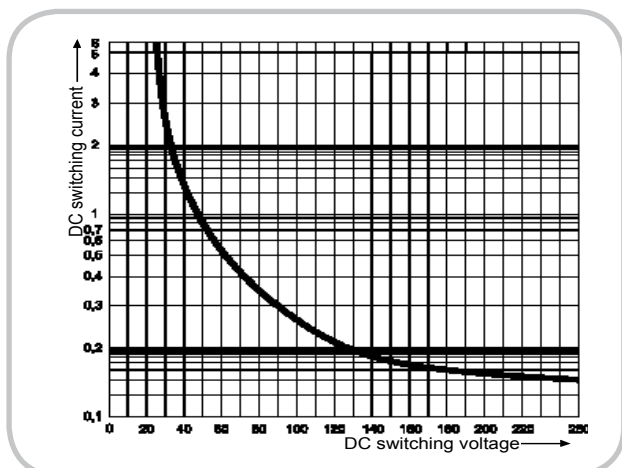
## ► Reduction factors



Reduction of electrical life depending on load

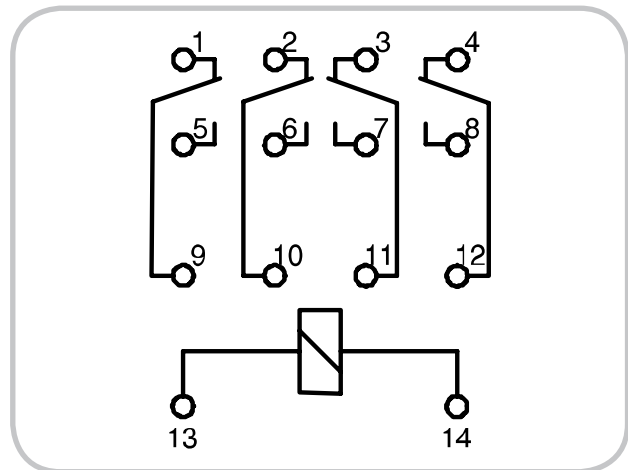


Reduction of electrical life depending on power factor value



Reduction of switching capacity depending on switching voltage

## ► Connections



## ► Dimensions

