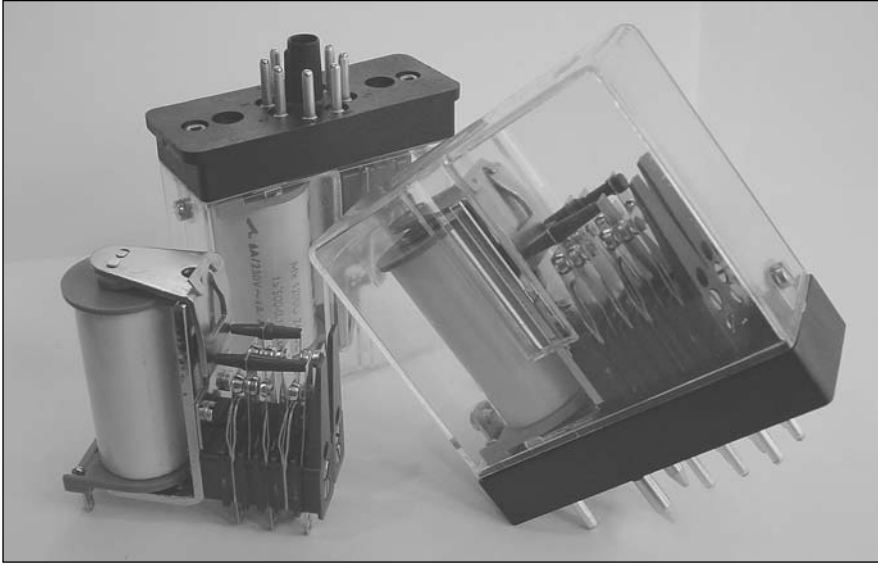


# MR - special relay



## the special relay MR

MR relays are fail-safe and universal useable elements with excellent contact load and high pull-in sensitivity.

The big bobbin and the variability of the contacts make a lot of versions for different applications possible.

## features

- different versions enable the ideal adaption for different applications.
- short contact springs enable bounce-free switching.
- special synthetic-layers and a substantial over-travel are the reasons for the constancy and safety at a large number of operations, also in bad climate conditions.

## applications

- industrial electronics
- automation and control



Special relays with different contact versions for several applications.

#### order numbers

soldering version MRL  
 ... VDC/ VAC  
 plug-in version  
 8-pole MR8 ...VDC/ VAC  
 plug-in version  
 14-pole MR ...VDC/ VAC

#### contact specifications

(see data sheet for curves)

contact material	AgCuNi
contact type	single contact
nominal switching capacity	250 VAC 6 A AC1 1500 VA
electric life expectancy	dependence of the version
inrush current max.	15 A for 20 ms
switching current range	50 mA to 6A

#### options

contact material AgCuNi  
 contact versions up to 6 pairs optionally

#### general data

mechanic life expectancy	> 50 x 10 <sup>6</sup> operations
mechanical switching frequency	10 Hz
pull-in time	10-30 ms
release time	6-8 ms
test voltage, coil/contact	2'000 V <sub>eff</sub>
test voltage, open contact	2'000 V <sub>eff</sub>
weight	dependence of the version
installation situation	dependence of the version
ambient temperature	max. +60 °C

#### accessories

socket 8-pole ZKR 088  
 socket 14-pole ZB 35  
 metal clamp MR8 ZFR 002  
 metal clamp MR14 ZFR 003

#### coil specifications

standard coils for direct current:	3 - 300 VDC
standard coils for alternated current:	3 - 240 VAC

