## Series R

The coaxial relays of the series R and $\mathrm{T}-\mathrm{R}$ are characterized through excellent RF-specifications and an enormous type variety. M ore than 100000 different models can be selected.
A short overview of the existing models is shown in the following chapter in this catalogue.

## Configurations

Within the one-way and multi-way relays up to seven different basic configurations are available:

■ Without any supply voltage the contacts can be normally open (NO), terminated or connected to ground.

- One contact can be normally closed, all others are open, terminated or connected to ground as desired.
- All inputs and/or outputs are normally terminated.

We also offer coaxial transfer and bypass relays with similar configurations.
The codes used are:

- RX for transfer relays
- RY for bypass relays


## Switch configuration

Available are coaxial 1-way-switches (SPST) to coaxial 12-way-switches (SP12T) as well as coaxial transfer and bypassswitches (specials on request).

## Impedance

All models can be offered with $50 \Omega$ or $75 \Omega$ impedance.

## Frequency range

We offer frequency ranges from
DC to 1000 MHz or higher
(depending on the type).

## Coaxial connectors

Following coaxial connectors are available: BNC female, TNC female, SMA female, 1.6/5.6 female and N female.

Male RF-connectors are also available on request.

## Coil and supply voltage

The coil voltage (control input F, G, C, X) is optional $+5 \mathrm{~V} D,+12 \mathrm{~V} D$ or $+24 \mathrm{~V} D C$.


Technicaldata (guaranted values at $+\mathbf{2 5}^{\circ} \mathrm{C}$ )

| Switching time | 10 ms max. |
| :--- | :--- |
| Life cycles | $10^{6}$ cycles |
| Operating temperature | 0 to $50^{\circ} \mathrm{C}\left(-55\right.$ to $+85^{\circ} \mathrm{C}$ on request $)$ |
| Maximum RF-power unterminated | 2 watts |
| $\quad$terminated | 0,3 watts (others on request) |
| Coil current (per contact) | at 5 volts $=50 \mathrm{~mA}$ <br>  <br> at 12 volts $=20 \mathrm{~mA}$ <br> at 24 volts $=10 \mathrm{~mA}$ |
| Enclosure | Aluminium alodyned (alodyne 1200) |

## Control input

There are six different control input version available:

| Code | Description | Control signal |
| :--- | :--- | :--- |
| C | floating, one side on a common line | Coil voltage |
| $G$ | common ground | Coil voltage |
| F | floating, each coil as separated connectors <br> (only until SPDT available) | Coil voltage |
| $X$ | $\Pi L-$ driver, switch at „1" | $0 / 5 \mathrm{~V}$, switch at 5 V |
| L | $\Pi \mathrm{LL}$-driver, inverting, switch at „0" | $0 / 5 \mathrm{~V}$, switch at 0 V |
| $Z$ | with BCD-decoder TL | $0 / 5 \mathrm{~V}$ |

is +5 VDC .

## Control inputs

The control input and the coil voltage are connected by means of DC-feedthrough filters or SUB-D connectors on request.



Style 1


Style 2A


Style 2


Style 4


Style 6


Option D


Style 8


Style 12


Style 10


Style 13


