

# SIEMENS



## Applications

### ON delay

- Noise pulses are suppressed
- Motors can be started step-by-step

### OFF delay

- Generates an overtravel function (fan run-on)
- Emergency shutdown or a defined state of a system/plant is guaranteed when the power supply voltage fails

### Star/delta

- Changeover from star to delta with a changeover interval of 50 ms

## Highlights

- 7 basic devices: The optimum relay for every application
- Space-saving, compact design
- Multi-function time relay with wide input voltage range
- Sealable cover
- Set of labels to designate the device
- Positively driven, hard-gold-plated relay contacts
- Alternatively available with cage-clamp connection system
- Optimum price-performance ratio

## 3RP1 SIMIREL relay Time delay – spot on

Our 3RP1 solid-state time relays are spot on when it involves delayed switching operations – it doesn't matter whether for controlling – both open and closed loop – starting or protecting. Thanks to their compact design, they are the ideal time relays for industrial switching and control systems.

**SIMIREL – relays for every application**

# SIMIREL

## Multi-function time relays 15 time ranges, 8/16 functions

Order No.	Contacts	Supply voltage	Time ranges	Functions
3RP1505-1AP30	1 changeover contact (CO)	24 V AC/DC, 200–240 V AC 50/60 Hz	15 <sup>1)</sup>	8 <sup>2)</sup>
3RP1505-1BP30	2 CO	24 V AC/DC, 200–240 V AC 50/60 Hz	15	16 <sup>3)</sup>
3RP1505-1AW30	1 CO	24–240 V AC/DC	15	8
3RP1505-1BW30	2 CO	24–240 V AC/DC	15	16

## ON delay time relays 15 time ranges

Order No.	Contacts	Supply voltage	Time ranges	Functions
3RP1525-1AP30	1 CO	24 V AC/DC, 200–240 V AC 50/60 Hz	15	ON delay

## OFF delay time relays with auxiliary voltage Time ranges 1.5–30 s, 5–100 s

Order No.	Output elements	Supply voltage	Time ranges	Functions
3RP1532-1AP30	1 CO	24 V AC/DC, 200–240 V AC 50/60 Hz	1.5–30 s	OFF delay
3RP1533-1AP30	1 CO	24 V AC/DC, 200–240 V AC 50/60 Hz	5–100 s	OFF delay

## Star-delta function Changeover interval 50 ms, time ranges 1–20 s, 3–60 s

Order No.	Output elements	Supply voltage	Time ranges	Functions
3RP1574-1NP30	1 + 1 NO	24 V AC/DC, 200–240 V AC 50/60 Hz	1–20 s	Star/delta
3RP1576-1NP30	1 + 1 NO	24 V AC/DC, 200–240 V AC 50/60 Hz	3–60 s	Star/delta

## Accessories Set of labels for multi-function time relays

Order No.	Zubehör	Packaging unit
3RP1901-0A	Set of labels for 1 CO/8 functions	5 x
3RP1901-0B	Set of labels for 2 CO/16 functions	5 x

1) Time ranges which can be changed over	2) Functions for 3RP1505/1CC	3) Functions for 3RP1505/2CC
0.05 – 1 s	ON delay	ON delay
0.15 – 3 s	OFF delay with auxiliary voltage	OFF delay with auxiliary voltage
0.5 – 10 s	ON delay and OFF delay with auxiliary voltage flashing, starting with interval	ON delay and OFF delay with auxiliary voltage flashing, starting with interval
1.5 – 30 s	passing make contact	passing make contact
0.05 – 1 min	passing break contact with auxiliary voltage	passing break contact with auxiliary voltage
5 – 100 s	pulse shaping with auxiliary voltage	pulse shaping with auxiliary voltage
0.15 – 3 min	additive ON delay with auxiliary voltage	additive ON delay with auxiliary voltage
0.5 – 10 min		ON delay and instantaneous contact
1.5 – 30 min		OFF delay with auxiliary voltage and instantaneous contact
0.05 – 1 h		ON delay and OFF delay with auxiliary voltage and instantaneous contact
5 – 100 min		flashing, starting with interval and instantaneous contact
0.15 – 3 h		passing make contact and instantaneous contact
0.5 – 10 h		passing break contact with auxiliary voltage and instantaneous contact
1.5 – 30 h		pulse shaping with auxiliary voltage and instantaneous contact
5 – 100 h		star/delta function
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The complete range of relays with accessories is in the Internet under [www.siemens.de/simirel](http://www.siemens.de/simirel) or in the Catalog, Low-Voltage Controlgear, Switchgear and Systems NS-K, Chapter 7

[www.siemens.com/simirel](http://www.siemens.com/simirel)  
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The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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