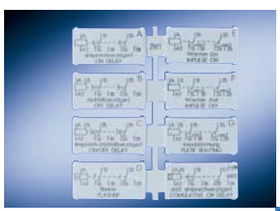
3RP15/3RP20 Timing Relays
for rail mounting



Electronic 3RP1/3RP2 timing relays are used for all switching operations in starting, protection and open- and closed-loop control circuits that require time delay functions. Due to their well-proven concept and their space-saving, compact design, they are the ideal timing devices for cabinet, panel and control manufacturers from all areas of industry.

Applications:

On delay:

- Noise pulses are suppressed
- Motors are started step-by-step to ensure that the line supply is not subject to excessive stress.

Off delay:

- Run-on functions are generated after the control voltage is removed (fan run-on)
- Emergency shutdown or to bring a plant or system into a defined state when the power supply voltage has failed

Star/delta:

- Motors are changed-over from a star to a delta configuration with a fixed interval time of 50 ms in order to prevent short circuits between phases

Your advantages:

- All versions have removable terminals
- All versions with screw terminals or with the innovative spring-loaded terminal system
- Labels are used to document the function that has been set at multi-functional timing relays
- Transparent range for every application: Only seven basic devices
- Significant advantages when using multi-function timing relays with wide-range voltage
- Optimum price/performance ratio
- Positively-driven relay contacts can be used in safety-relevant circuits up to Category 2 according to DIN EN 954-1
- Hard-gold-plated relay contacts for optimum interaction with electronic controls
- Sealable cover to secure parameters that have been set

Engineering information:

- For the “clock-pulse” function, pulse and interval can be separately set, for the flashing function it is pulse and interval 1:1
- “Time addition” function (no holding on supply failure function) for the multi-function relays: By activating the start contact

Electronic 3RP15 timing relays in an industrial enclosure, 22.5 mm

8 functions	1 CO (changeover contact)	0.05 s–100 h	12 V DC	3RP1505-☐AA40
8 functions	1 CO	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP1505-☐AQ30
8 functions	1 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP1505-☐AP30
8 functions	1 CO	0.05 s–100 h	24–240 V AC/DC	3RP1505-☐AW30
8 functions	2 CO	0.05 s–100 h	24–240 V AC/DC	3RP1505-☐RW30[1]
16 functions	2 CO	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP1505-☐BQ30
16 functions	2 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP1505-☐BP30
16 functions	2 CO	0.05 s–100 h	24–240 V AC/DC	3RP1505-☐BW30
16 functions	2 CO	0.05 s–100 h	400–440 V AC	3RP1505-1BT20[2]
On delay	1 CO	0.5–10 s	AC/DC 24/100–127 V AC	3RP1511-☐AQ30
On delay	1 CO	0.5–10 s	AC/DC 24/200–240 V AC	3RP1511-☐AP30
On delay	1 CO	1.5–30 s	AC/DC 24/100–127 V AC	3RP1512-☐AQ30
On delay	1 CO	1.5–30 s	AC/DC 24/200–240 V AC	3RP1512-☐AP30
On delay	1 CO	5–100 s	AC/DC 24/100–127 V AC	3RP1513-☐AQ30
On delay	1 CO	5–100 s	AC/DC 24/200–240 V AC	3RP1513-☐AP30
On delay	1 CO	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP1525-☐AQ30
On delay	1 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP1525-☐AP30
On delay	2 CO	0.05 s–100 h	42–48/60 V AC/DC	3RP1525-☐BR30
On delay	2 CO	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP1525-☐BQ30
On delay	2 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP1525-☐BP30
On delay	2 CO	0.05 s–100 h	24–240 V AC/DC	3RP1525-☐BW30
On delay, 2-wire	1 NO contact, solid-state	0.05–240 s	24–66 V AC/DC	3RP1527-☐EC30
On delay, 2-wire	1 NO contact, solid-state	0.05–240 s	90–240 V AC/DC	3RP1527-☐EM30
Off delay with auxiliary voltage	1 CO	0.5–10 s	AC/DC 24/100–127 V AC	3RP1531-☐AQ30
Off delay with auxiliary voltage	1 CO	0.5–10 s	AC/DC 24/200–240 V AC	3RP1531-☐AP30
Off delay with auxiliary voltage	1 CO	1.5–30 s	AC/DC 24/100–127 V AC	3RP1532-☐AQ30
Off delay with auxiliary voltage	1 CO	1.5–30 s	AC/DC 24/200–240 V AC	3RP1532-☐AP30
Off delay with auxiliary voltage	1 CO	5–100 s	AC/DC 24/100–127 V AC	3RP1533-☐AQ30
Off delay with auxiliary voltage	1 CO	5–100 s	AC/DC 24/200–240 V AC	3RP1533-☐AP30
Off delay without auxiliary voltage	1 CO	0.05–100 s	24 V AC/DC	3RP1540-☐AB30
Off delay without auxiliary voltage	1 CO	0.05–100 s	100–127 V AC/DC	3RP1540-☐AJ30
Off delay without auxiliary voltage	1 CO	0.05–100 s	200–240 V AC/DC	3RP1540-☐AN30
Off delay without auxiliary voltage	2 CO	0.05–100 s	24 V AC/DC	3RP1540-☐BB30
Off delay without auxiliary voltage	2 CO	0.05–100 s	100–127 V AC/DC	3RP1540-☐BJ30
Off delay without auxiliary voltage	2 CO	0.05–100 s	200–240 V AC/DC	3RP1540-☐BN30
Clock-pulse relay	1 CO	0.05 s–100 h	42–48/60 V AC/DC	3RP1555-☐AR30
Clock-pulse relay	1 CO	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP1555-☐AQ30
Clock-pulse relay	1 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP1555-☐AP30
Star/delta with run-on function	3 x 1 NO contact	1–20 s, 30–600 s (run-on)	AC/DC 24/100–127 V AC	3RP1560-☐SQ30
Star/delta with run-on function	3 x 1 NO contact	1–20 s, 30–600 s (run-on)	AC/DC 24/200–240 V AC	3RP1560-☐SP30
Star/delta	1 NO contact + 1 NO contact	1–20 s	AC/DC 24/100–127 V AC	3RP1574-☐NQ30
Star/delta	1 NO contact + 1 NO contact	1–20 s	AC/DC 24/200–240 V AC	3RP1574-☐NP30
Star/delta	1 NO contact + 1 NO contact	3–60 s	AC/DC 24/100–127 V AC	3RP1576-☐NQ30
Star/delta	1 NO contact + 1 NO contact	3–60 s	AC/DC 24/200–240 V AC	3RP1576-☐NP30

Electronic 3RP20 timing relays in the SIRIUS design, 45 mm

Function	Contact elements	Time range	Control supply voltage	Order No.
8 functions	1 CO (changeover contact)	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP2005-☐AQ30
8 functions	1 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP2005-☐AP30
On delay	1 CO	0.05 s–100 h	AC/DC 24/100–127 V AC	3RP2025-☐AQ30
On delay	1 CO	0.05 s–100 h	AC/DC 24/200–240 V AC	3RP2025-☐AP30
16 functions	2 CO	0.05 s–100 h	24–240 V AC/DC	3RP2005-☐BW30

[1] Positively-driven and hard-gold-plated relay contacts

[2] This device is only available with screw terminals

Screw terminal ☐1

Spring-loaded terminal ☐2