SIEMENS

Fewer Variants, More Options

SIRIUS 3RP25: The compact multifunctional timing relay for all common applications – worldwide

No matter how many timing relays you used to require to realize all common applications – from now on, one relay covers all needs: SIRIUS 3RP25. Thanks to its unrivalled functionality featuring up to 27 functions and wide voltage range from 12 to 240 V AC/DC, SIRIUS 3RP25 is the first choice for time-delayed switching.

Advantages at a glance

Minimum device variance

- Easy **stock-keeping and logistics**
- Easy configuration
- Reduced mounting and wiring costs

Modern, more compact housing

- **Space savings** in the control cabinet
- Versions in **17.5 and 22.5 mm width**
- **Removable terminals** and wiring

Global applicability

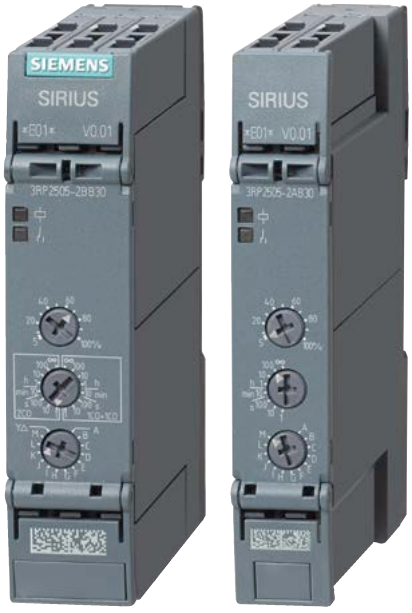
- Approvals such as UL, CSA, EAC, etc.

Extended wide voltage range

- From 12 to 240 V AC/DC – consistent, in all functions

Advanced functionality

- Up to **27 time functions** according to DIN EN IEC 61812 in the multifunctional timing relay
- **Watchdog** for cycle time monitoring or attention control
- **Semiconductor output** for high switching frequencies, bounce-free and wear-free switching
- **Positively-driven contacts** for special requirements (e.g. temperature range, shock/vibration resistance and EMC) i.e. also “railway-compatible”



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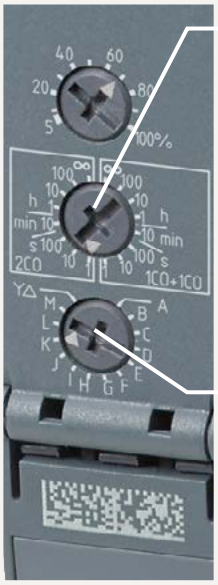
SIRIUS 3RP25 electronic timing relays:
Wider range integrated functionality all within compact 17.5 and 22.5 mm housings

Code letter of the set function	13 functions	27 functions
	13 functions (A–M)	13 functions (A–M), 2 CO parallel switching + 13 functions (A–M), 1 CO delayed + 1 CO instantaneous switching + 1 star/wye-delta function
	1 CO 2 CO parallel switching 1 NO	1 CO + 1 CO with separate switching
A	ON delay	ON delay and *instantaneous switching*
B	OFF delay with control signal	OFF delay with control signal and *instantaneous switching*
C	ON/OFF delay with control signal	ON/OFF delay and *instantaneous switching*
D	Flashing, symmetrical, start with break	Flashing, symmetrical, start with break and *instantaneous switching*
E	Passing make contact function, interval relay	Passing make contact function, interval relay and *instantaneous switching*
F	Retriggerable interval relay with disconnected control signal (passing break contact function with control signal)	Retriggerable interval relay with disconnected control signal (passing break contact with control signal) and *instantaneous switching*
G	Passing make contact function, with control signal, not retriggerable (pulse-shaping with control signal)	Passing make contact function, with control signal, not retriggerable (pulse-shaping with control signal) and *instantaneous switching*
H	Additive ON delay, undelayed OFF with control signal	Additive ON delay, undelayed OFF with control signal and *instantaneous switching*
I	Additive ON delay with control signal	Additive ON delay with control signal and *instantaneous switching*
J	Flashing, symmetrical, start with pulse	Flashing, symmetrical, start with pulse and *instantaneous switching*
K	Pulse delay, pulse permanently set, pulse length 1s and pulse delay adjustable	Pulse delay, pulse permanently set, pulse length 1s and pulse delay adjustable and *instantaneous switching*
L	Pulse delay with control signal Pulse permanently set, pulse length 1s and pulse delay adjustable	Pulse delay, pulse permanently set, pulse length 1s and pulse delay adjustable and *instantaneous switching*
M	Retriggerable interval relay with connected control signal (watchdog)	Retriggerable interval relay with connected control signal (watchdog) and *instantaneous switching*
YΔ		Star/wye-delta function

Example: Function setting multifunctional timing relay 2 CO contacts with 27 functions



Time range selector switch

Extended functional variety through time range selection and definition

- 2 CO contacts with parallel delayed switching: –> left scale on the time range selector switch, or
- 1 CO contact with delayed switching + 1 CO contact with instantaneous switching: –> right scale on the time range selector switch

Function selector switch

Selection of the function (see table) via setting A–M or star/wye-delta

Function	Con-tacts	Time range	Rated control supply voltage U_s	Article No.
13 functions	1 CO	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2505-☐AW30**
	1 NO (SC)	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2505-☐CW30**
	2 CO [1]	0.05 s – 100 h	24 – 240 V AC/DC	**3RP2505-☐RW30**
27 functions	2 CO	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2505-☐BW30**
ON delay	1 CO	0.5 s – 10 s	12 – 240 V AC/DC	**3RP2511-☐AW30**
	1 CO	1 s – 30 s	12 – 240 V AC/DC	**3RP2512-☐AW30**
	1 CO	5 s – 100 s	12 – 240 V AC/DC	**3RP2513-☐AW30**
	1 CO	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2525-☐AW30**
	2 CO	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2525-☐BW30**
OFF delay with control signal	1 CO	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2535-☐AW30**
OFF delay without control signal, non-volatile, passing make contact	1 CO	0.05 s – 600 s	12 – 240 V AC/DC	**3RP2540-☐AW30**
	2 CO	0.05 s – 600 s	12 – 240 V AC/DC	**3RP2540-☐BW30**
Clock generator	1 CO	0.05 s – 100 h	12 – 240 V AC/DC	**3RP2555-☐AW30**
Star/wye-delta function	2 NO	1 s – 20 s (YΔ)	12 – 240 V AC/DC	**3RP2574-☐NW30**
	2 NO	3 s – 60 s (YΔ)	12 – 240 V AC/DC	**3RP2576-☐NW30**

[1] Positively-driven contacts "suitable for railway applications"

Screw-type 1
Spring-type 2

Siemens AG
Digital Factory
Control Products
P.O. Box 23 55
90713 Fuerth
Germany

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