

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

## 3RP2576-1NW30

SIRIUS STAR DELTA TIMING RELAY

Used with the applicable SIRIUS 3RP25 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

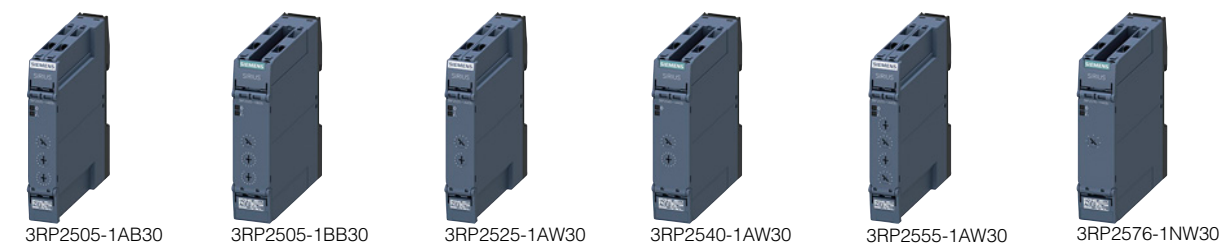
Source: Siemens manufacturer catalogue data for 3RP2576-1NW30

## Monitoring and Control Devices

### Timing relays

#### SIRIUS 3RP25 timing relays, 17.5 mm and 22.5 mm

##### Selection and ordering data



| Number of NO contacts                                                                                                                                                                                                                                                                                                                                                                                               |                   | Number of CO contacts   |                   | Semi-conductor output | Adjustable time                                               | Control supply voltage                               |                                                      | Screw terminals                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------|-------------------|-----------------------|---------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Instantaneous switching                                                                                                                                                                                                                                                                                                                                                                                             | Delayed switching | Instantaneous switching | Delayed switching |                       |                                                               | At AC 50/60 Hz                                       | At DC                                                |                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                         |                   |                       |                                                               | V                                                    | V                                                    | Article No.                                                                                  |
| <b>3RP2505-.A and 3RP2505-.C timing relays, 13 functions</b>                                                                                                                                                                                                                                                                                                                                                        |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| The functions can be adjusted by means of function selector switches on the device. With a set of foil labels the timing relay can be legibly marked with the functions which can be selected on the timing relay. This is supplied together with the multifunctional timing relay. The same potential must be applied to terminals A. and B. Functions, <a href="#">see the overview of functions on page 5/32</a> |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 1                 | --                    | 0.05 s ... 100 h                                              | 24<br>12 ... 240                                     | 24<br>12 ... 240                                     | <b>3RP2505-1AB30</b><br><b>3RP2505-1AW30</b>                                                 |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                 | 0                       | 0                 | ✓                     | 0.05 s ... 100 h                                              | 12 ... 240                                           | 12 ... 240                                           | <b>3RP2505-1CW30</b>                                                                         |
| <b>3RP2505-.R timing relays suitable for railway applications, 13 functions</b>                                                                                                                                                                                                                                                                                                                                     |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| Start of delivery planned for 11/2015                                                                                                                                                                                                                                                                                                                                                                               |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| The functions can be adjusted by means of function selector switches on the device. With a set of foil labels the timing relay can be legibly marked with the functions which can be selected on the timing relay. This is supplied together with the multifunctional timing relay. The same potential must be applied to terminals A. and B. Functions, <a href="#">see the overview of functions on page 5/32</a> |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | --                      | 2 <sup>1)</sup>   | --                    | 0.05 s ... 100 h                                              | 24 ... 240                                           | 24 ... 240                                           | <b>3RP2505-1RW30</b>                                                                         |
| <b>3RP2505-.B timing relay, 27 functions</b>                                                                                                                                                                                                                                                                                                                                                                        |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| The functions can be adjusted by means of function selector switches on the device. With a set of foil labels the timing relay can be legibly marked with the functions which can be selected on the timing relay. This is supplied together with the multifunctional timing relay. The same potential must be applied to terminals A. and B. Functions, <a href="#">see the overview of functions on page 5/32</a> |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | --                      | 2 <sup>2)</sup>   | --                    | 0.05 s ... 100 h                                              | 24<br>400 ... 440<br>12 ... 240                      | 24<br>--<br>12 ... 240                               | <b>3RP2505-1BB30</b><br><b>3RP2505-1BT20</b><br><b>3RP2505-1BW30</b>                         |
| <b>3RP251. and 3RP252. timing relays, ON-delay</b>                                                                                                                                                                                                                                                                                                                                                                  |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 1                 | --                    | 0.5 ... 10 s<br>1 ... 30 s<br>5 ... 100 s<br>0.05 s ... 100 h | 12 ... 240<br>12 ... 240<br>12 ... 240<br>12 ... 240 | 12 ... 240<br>12 ... 240<br>12 ... 240<br>12 ... 240 | <b>3RP2511-1AW30</b><br><b>3RP2512-1AW30</b><br><b>3RP2513-1AW30</b><br><b>3RP2525-1AW30</b> |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 2                 | --                    | 0.05 s ... 100 h                                              | 24<br>12 ... 240                                     | 24<br>12 ... 240                                     | <b>3RP2525-1BB30</b><br><b>3RP2525-1BW30</b>                                                 |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                 | 0                       | 0                 | ✓                     | 0.05 s ... 240 s                                              | 12 ... 240                                           | 12 ... 240                                           | <b>3RP2527-1EW30</b>                                                                         |
| <b>3RP2535 timing relays, OFF-delay with control signal</b>                                                                                                                                                                                                                                                                                                                                                         |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 1                 | --                    | 0.05 s ... 100 h                                              | 12 ... 240                                           | 12 ... 240                                           | <b>3RP2535-1AW30</b>                                                                         |
| <b>3RP2540 timing relays, OFF-delay, without control signal, non-volatile, passing make contact</b>                                                                                                                                                                                                                                                                                                                 |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 1                 | --                    | 0.05 s ... 600 s                                              | 24<br>12 ... 240                                     | 24<br>12 ... 240                                     | <b>3RP2540-1AB30</b><br><b>3RP2540-1AW30</b>                                                 |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 2                 | --                    | 0.05 s ... 600 s                                              | 24<br>12 ... 240                                     | 24<br>12 ... 240                                     | <b>3RP2540-1BB30</b><br><b>3RP2540-1BW30</b>                                                 |
| <b>3RP2555 timing relays, clock-pulse relay, flashing, asymmetrical</b>                                                                                                                                                                                                                                                                                                                                             |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                 | 0                       | 1                 | --                    | 0.05 s ... 100 h                                              | 12 ... 240                                           | 12 ... 240                                           | <b>3RP2555-1AW30</b>                                                                         |
| <b>3RP2560 timing relays, wye-delta function with overtravel function (idling)</b>                                                                                                                                                                                                                                                                                                                                  |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                 | 0                       | 0                 | --                    | 1 ... 20 s                                                    | 12 ... 240                                           | 12 ... 240                                           | <b>3RP2560-1SW30</b>                                                                         |
| <b>3RP257. timing relays, wye-delta function</b>                                                                                                                                                                                                                                                                                                                                                                    |                   |                         |                   |                       |                                                               |                                                      |                                                      |                                                                                              |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                 | 0                       | 0                 | --                    | 1 ... 20 s                                                    | 380 ... 440 <sup>3)</sup><br>12 ... 240              | --<br>12 ... 240                                     | <b>3RP2574-1NM20</b><br><b>3RP2574-1NW30</b>                                                 |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                 | 0                       | 0                 | --                    | 3 ... 60 s                                                    | 380 ... 440 <sup>3)</sup><br>12 ... 240              | --<br>12 ... 240                                     | <b>3RP2576-1NM20</b><br><b>3RP2576-1NW30</b>                                                 |

✓ Available

-- Not available

1) Positively-driven contacts.

2) Optionally 1 CO delayed + 1 CO instantaneous.

3) With 3RP2574-.NM20 and 3RP2576-.NM20, connection of 200 ... 240 V AC, 50/60 Hz control voltage is also possible.

For accessories, [see page 5/47](#).