



Figure similar

TIME RELAY, ELECTRONIC, FLASH. RELAY  
ASYMMETRICAL, 1 CO CONT., 15 TIME SET.  
RANGES 0.05S...100HR, 12...240V AC/DC AT AC  
50/60HZ, LED, SCREW TERMINAL

### General technical data:

|  |    |   |
|--|----|---|
| product brand name   |    | SIRIUS  |
| Product designation  |    | timing relay                                      |
| mounting position  |    | any   |
| Product function at the relay outputs Switchover delayed/without delay |    | No  |
| Product function non-volatile  |    | No  |
| Product component  |    |   |
| • Relay output   |    | Yes   |
| • semi-conductor output  |    | No  |
| Installation altitude at height above sea level maximum                | m  | 2 000   |
| Ambient temperature  |    |   |
| • during operation   | °C | -25 ... +60                                       |
| • during storage   | °C | -40 ... +85                                       |
| • during transport   | °C | -40 ... +85                                       |
| Relative humidity  |    |   |
| • during operation   | %  | 15 ... 70   |
| EMC emitted interference acc. to IEC 61812-1                           |    | EN 61000-6-4(3)                                   |
| EMI immunity acc. to IEC 61812-1                                       |    | EN 61000-6-2                                      |
| Conducted interference BURST acc. to IEC 61000-4-4                     |    | 2 kV network connection / 1 kV control connection |
| Conducted interference conductor-earth SURGE acc. to IEC 61000-4-5     |    | 2 kV  |
| Conducted interference conductor-conductor SURGE acc. to IEC 61000-4-5 |    | 1 kV  |

|   |     |   |
|---|-----|---|
| Electrostatic discharge acc. to IEC 61000-4-2   |     | 4 kV contact discharge / 8 kV air discharge |
| Field-bound parasitic coupling acc. to IEC 61000-4-3  |     | 10 V/m                                      |
| Surge voltage resistance Rated value  | V   | 4 000                                       |
| Active power loss total typical   | W   | 2   |
| Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750                              |     | K   |
| Reference code acc. to DIN EN 81346-2   |     | K   |
| Category acc. to EN 954-1   |     | none  |
| Protection against electrical shock   |     | finger-safe                                 |
| Protection class IP   |     | IP20  |
| Mechanical service life (switching cycles) typical  |     | 10 000 000                                  |
| Electrical endurance (switching cycles) at AC-15 at 230 V typical   |     | 100 000                                     |
| Operating frequency with 3RT2 contactor maximum   | 1/h | 5 000                                       |
| Shock resistance acc. to IEC 60068-2-27   |     | 11g / 15 ms                                 |
| Relative repeat accuracy  | %   | 1   |
| Recovery time   | ms  | 150   |
| Degree of pollution   |     | 3   |
| Insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 Rated value | V   | 300   |
| Relative setting accuracy relating to full-scale value  | %   | 5   |

#### Switching Function:

|   |  |     |
|---|--|-----|
| <b>Switching function</b>                                     |  |     |
| • ON-delay  |  | No  |
| • ON-delay/instantaneous contact                              |  | No  |
| • passing make contact  |  | No  |
| • passing make contact/instantaneous contact                  |  | No  |
| • OFF delay   |  | No  |
| • flashing asymmetrically starting with interval              |  | Yes |
| • flashing asymmetrically starting with pulse                 |  | No  |
| • flashing symmetrically starting with pulse                  |  | No  |
| • flashing symmetrically starting with pulse/instantaneous    |  | No  |
| • flashing symmetrically starting with interval               |  | No  |
| • flashing symmetrically starting with interval/instantaneous |  | No  |
| • star-delta circuit  |  | No  |
| • star-delta circuit with delay time                          |  | No  |
| <b>Switching function with control signal</b>                 |  |     |
| • additive ON delay   |  | No  |
| • passing break contact                                       |  | No  |
| • OFF delay   |  | No  |

|  |    |
|--|----|
| • pulse-shaping  | No |
| • OFF delay/instantaneous  | No |
| • ON-delay/OFF-delay/instantaneous                                       | No |
| • passing break contact/instantaneous                                    | No |
| • additive ON delay/instantaneous  | No |
| • ON-delay/OFF-delay   | No |
| • passing make contact   | No |
| • passing make contact/instantaneous contact                             | No |
| • pulse delayed  | No |
| • pulse delayed/instantaneous  | No |
| • pulse-shaping/instantaneous  | No |
| <b>Switching function of interval relay with control signal</b>          |    |
| • retrotriggerable with deactivated control signal/instantaneous contact | No |
| • retrotriggerable with activated control signal                         | No |
| • retrotriggerable with activated control signal/instantaneous contact   | No |
| • retriggerable with deactivated control signal                          | No |

#### Control circuit/ Control:

|  |    |                  |
|--|----|------------------|
| <b>Adjustable time</b>   | s  | 0.05 ... 360 000 |
| <b>Type of voltage of the control supply voltage</b>             |    | AC/DC            |
| <b>Control supply voltage frequency 1</b>                        | Hz | 50 ... 60        |
| <b>Control supply voltage 1</b>                                  |    |                  |
| • with AC  |    |                  |
| — at 50 Hz   | V  | 12 ... 240       |
| — at 60 Hz   | V  | 12 ... 240       |
| • for DC   | V  | 12 ... 240       |
| <b>Operating range factor control supply voltage rated value</b> |    |                  |
| • with AC  |    |                  |
| — at 50 Hz   |    | 0.85 ... 1.1     |
| — at 60 Hz   |    | 0.85 ... 1.1     |
| • for DC   |    | 0.85 ... 1.1     |

#### Auxiliary circuit:

|  |   |  |
|--|---|--|
| <b>Contact reliability of the auxiliary contacts</b> |   | one incorrect switching operation of 100 million switching operations (17 V, 5 mA) |
| <b>Material of switching contacts</b>                |   | AgSnO2   |
| <b>Operating current of the auxiliary contacts</b>   |   |  |
| • at AC-15   |   |  |
| — at 24 V  | A | 3  |
| — at 250 V   | A | 3  |
| • at DC-13   |   |  |

|  |   |                 |
|--|---|-----------------|
| — at 24 V  | A | 1               |
| — at 125 V   | A | 0.2             |
| — at 250 V   | A | 0.1             |
| <b>Design of the fuse link for short-circuit protection of the auxiliary switch required</b> |   | fuse gL/gG: 4 A |
| <b>Thermal current</b>   | A | 5               |
| <b>Switching capacity current</b>  |   |                 |
| • with inductive load  | A | 0.01 ... 3      |
| <b>Number of NC contacts</b>   |   |                 |
| • delayed switching  |   | 0               |
| • instantaneous contact  |   | 0               |
| <b>Number of NO contacts</b>   |   |                 |
| • delayed switching  |   | 0               |
| • instantaneous contact  |   | 0               |
| <b>Number of CO contacts</b>   |   |                 |
| • delayed switching  |   | 1               |
| • instantaneous contact  |   | 0               |

#### Installation/ mounting/ dimensions:

|  |    |  |
|--|----|--|
| <b>Mounting type</b>                               |    | screw and snap-on mounting onto 35 mm standard mounting rail |
| <b>Width</b>                                       | mm | 17.5   |
| <b>Height</b>                                      | mm | 100  |
| <b>Depth</b>                                       | mm | 90   |
| <b>Spacing required with side-by-side mounting</b> |    |  |
| • upwards  | mm | 0  |
| • forwards   | mm | 0  |
| • at the side                                      | mm | 0  |
| • Backwards  | mm | 0  |
| • downwards  | mm | 0  |
| <b>Spacing required for grounded parts</b>         |    |  |
| • Backwards  | mm | 0  |
| • at the side                                      | mm | 0  |
| • upwards  | mm | 0  |
| • forwards   | mm | 0  |
| • downwards  | mm | 0  |
| <b>Spacing required for live parts</b>             |    |  |
| • downwards  | mm | 0  |
| • Backwards  | mm | 0  |
| • at the side                                      | mm | 0  |
| • forwards   | mm | 0  |
| • upwards  | mm | 0  |

## Connections/ Terminals:

|  |     |   |
|--|-----|---|
| <b>Design of the electrical connection for auxiliary and control current circuit</b> |     | screw-type terminals  |
| <b>Type of connectable conductor cross-section</b>                                   |     | <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>— with core end processing</li> </ul> </li> <li>• for AWG conductors <ul style="list-style-type: none"> <li>— stranded</li> <li>— solid</li> </ul> </li> </ul> |
| <b>Tightening torque</b>   | N·m | 0.6 ... 0.8   |

## Certificates/ approvals:

| General Product Approval | Declaration of Conformity | other |
|--------------------------|---------------------------|-------|
|--------------------------|---------------------------|-------|



[Environmental Confirmations](#)

## Further information

### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

### Cax online generator

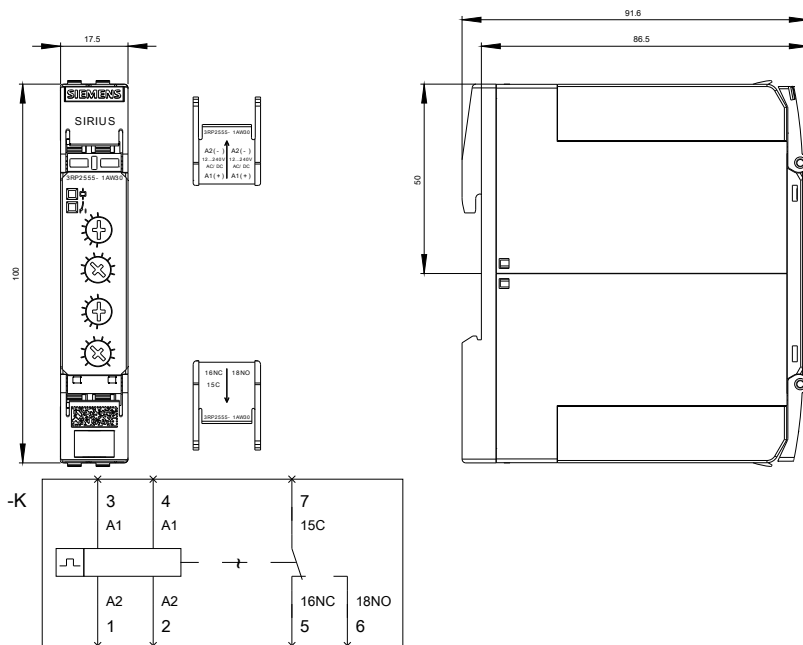
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP25551AW30>

### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RP25551AW30/all>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RP25551AW30&lang=en>



last modified:

23.02.2015