

TIMING RELAY, SOLID-STATE, OFF-DELAY,  
W/O AUX.VOLTAGE, 1 CO CONTACT,  
9 TIME SETTING RANGES 0.05S...600S,  
24V AC/DC,  
WITH LED,SPRING LOADED TERMINAL

### General technical data:

|                                                                                                |    |                                                   |
|------------------------------------------------------------------------------------------------|----|---------------------------------------------------|
| product brand name                                                                             |    | SIRIUS                                            |
| Product designation                                                                            |    | timing relay                                      |
| Protection class IP / of the terminal                                                          |    | IP20                                              |
| mounting position                                                                              |    | any                                               |
| Product function                                                                               |    |                                                   |
| • at the relay outputs / changeover delayed/without delay                                      |    | No                                                |
| Product component / semi-conductor output                                                      |    | No                                                |
| Product extension / optional / remote control                                                  |    | No                                                |
| Product extension / strictly required / remote control                                         |    | No                                                |
| Installation altitude / at a height over sea level / maximum                                   | m  | 2,000                                             |
| Ambient temperature                                                                            |    |                                                   |
| • during storage                                                                               | °C | -40 ... +85                                       |
| • during operating                                                                             | °C | -25 ... +60                                       |
| • during transport                                                                             | °C | -40 ... +85                                       |
| Relative humidity                                                                              |    |                                                   |
| • during operating phase                                                                       | %  | 15 ... 70                                         |
| Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4                          |    | 2 kV network connection / 1 kV control connection |
| Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5          |    | 2 kV                                              |
| Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5      |    | 1 kV                                              |
| Electrostatic discharge / according to IEC 61000-4-2                                           |    | 4 kV contact discharge / 8 kV air discharge       |
| Field-bound parasitic coupling / according to IEC 61000-4-3                                    |    | 10 V/m                                            |
| Impulse voltage resistance / rated value                                                       | V  | 4,000                                             |
| Active power loss / total / typical                                                            | W  | 2                                                 |
| Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |    | K                                                 |
| Reference code / according to DIN EN 61346-2                                                   |    | K                                                 |
| Category / according to EN 954-1                                                               |    | none                                              |
| Protection against electrical shock                                                            |    | finger-safe                                       |

**Switching Function:****Switching function**

|                                              |  |     |
|----------------------------------------------|--|-----|
| • slow-operating                             |  | No  |
| • making pulse contact                       |  | No  |
| • relapse delayed                            |  | Yes |
| • with control signal                        |  |     |
| • additive ON delay                          |  | No  |
| • passing break contact                      |  | No  |
| • OFF delay                                  |  | No  |
| • slow-operating/instantaneous contact       |  | No  |
| • with control signal                        |  |     |
| • OFF delay/instantaneous                    |  | No  |
| • ON delay/OFF delay/instantaneous           |  | No  |
| • making pulse contact/instantaneous contact |  | No  |
| • with control signal                        |  |     |
| • passing break contact/instantaneous        |  | No  |
| • pulse-shaping/instantaneous                |  | No  |

**Adjustable time**

/ s 600

**Control circuit/ Control:****Voltage type / of control feed voltage**

AC/DC

**Control supply voltage frequency**

|     |    |           |
|-----|----|-----------|
| • 1 | Hz | 50 ... 60 |
|-----|----|-----------|

**Operating range factor control supply voltage rated value**

|            |  |              |
|------------|--|--------------|
| • at 50 Hz |  |              |
| • for AC   |  | 0.85 ... 1.1 |
| • at 60 Hz |  |              |
| • for AC   |  | 0.85 ... 1.1 |
| • for DC   |  | 0.7 ... 1.25 |

**Auxiliary circuit:****Operating current / of auxiliary contacts**

|                                          |   |   |
|------------------------------------------|---|---|
| • as normally closed contact / for AC-15 |   |   |
| • at 24 V                                | A | 3 |
| • at 250 V                               | A | 3 |
| • as normally open contact / for AC-15   |   |   |
| • at 24 V                                | A | 3 |
| • at 250 V                               | A | 3 |
| • at AC-15                               |   |   |
| • maximum                                | A | 3 |

|                                                           |   |     |
|-----------------------------------------------------------|---|-----|
| • at DC-13                                                |   |     |
| • at 24 V                                                 | A | 1   |
| • at 125 V                                                | A | 0.2 |
| • at 250 V                                                | A | 0.1 |
| <b>Number of NC contacts / delayed switching</b>          |   | 0   |
| <b>Number of NC contacts / non-delayed</b>                |   | 0   |
| <b>Number of NO contacts / delayed switching</b>          |   | 0   |
| <b>Number of NO contacts / non-delayed</b>                |   | 0   |
| <b>Number of change-over switches / delayed switching</b> |   | 1   |
| <b>Number of change-over switches / non-delayed</b>       |   | 0   |

#### Short-circuit:

|                                                                                                  |  |                                                              |
|--------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|
| <b>Design of the fuse link / for short-circuit protection of the auxiliary switch / required</b> |  | fuse gL/gG: 4 A                                              |
| <b>Mounting type</b>                                                                             |  | screw and snap-on mounting onto 35 mm standard mounting rail |

#### Installation/ mounting/ dimensions:

|                                                          |    |      |
|----------------------------------------------------------|----|------|
| <b>Width</b>                                             | mm | 22.5 |
| <b>Height</b>                                            | mm | 84   |
| <b>Depth</b>                                             | mm | 91   |
| <b>Distance, to be maintained, to the ranks assembly</b> |    |      |
| • upwards                                                | mm | 0    |
| • forwards                                               | mm | 0    |
| • sideways                                               | mm | 0    |
| • backwards                                              | mm | 0    |
| • downwards                                              | mm | 0    |
| <b>Distance, to be maintained, to earthed part</b>       |    |      |
| • backwards                                              | mm | 0    |
| • sideways                                               | mm | 0    |
| • upwards                                                | mm | 0    |
| • forwards                                               | mm | 0    |
| • downwards                                              | mm | 0    |
| <b>Distance, to be maintained, conductive elements</b>   |    |      |
| • downwards                                              | mm | 0    |
| • backwards                                              | mm | 0    |
| • sideways                                               | mm | 0    |
| • forwards                                               | mm | 0    |
| • upwards                                                | mm | 0    |

| General Product Approval | Declaration of Conformity | Test Certificates |
|--------------------------|---------------------------|-------------------|
|--------------------------|---------------------------|-------------------|



[Special Test Certificate](#)

#### Shipping Approval



#### Shipping Approval

other



[Confirmation](#)

[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/industrial-controls/mall>

**Cax online generator**

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

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

<http://support.automation.siemens.com/WW/view/en/3RP1540-2AB31/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RP1540-2AB31](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1540-2AB31)

last change:

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