



TIME RELAY, ON-DELAY, 1C,  
15 RANGES (1,3,10,30,100) (S,MIN,H) AC 24,100...127 V  
AND DC 24 V,  
WITH LED

| 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<br>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<br>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:

|                                              |       |              |
|----------------------------------------------|-------|--------------|
| <b>Switching function</b>                    |       |              |
| • slow-operating                             |       | Yes          |
| • making pulse contact                       |       | No           |
| • relapse delayed                            |       | No           |
| • 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           |
| <b>Adjustable time</b>                       | s / h | 0.05 ... 100 |

#### Control circuit/ Control:

|                                               |    |           |
|-----------------------------------------------|----|-----------|
| <b>Voltage type / of control feed voltage</b> |    | AC/DC     |
| <b>Control supply voltage frequency</b>       |    |           |
| • 1                                           | Hz | 50 ... 60 |
| <b>Control supply voltage</b>                 |    |           |
| • 1                                           |    |           |
| • for AC / at 50 Hz / rated value             | V  | 24        |
| • for AC / at 60 Hz / rated value             | V  | 24        |
| • for DC / rated value                        | V  | 24        |
| • 2                                           |    |           |

|                                                                                |   |              |
|--------------------------------------------------------------------------------|---|--------------|
| <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• for AC</li> </ul> | V | 100 ... 127  |
| <ul style="list-style-type: none"> <li>• at 60 Hz</li> <li>• for AC</li> </ul> | V | 100 ... 127  |
| <b>Operating range factor control supply voltage rated value</b>               |   |              |
| <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• for AC</li> </ul> |   | 0.85 ... 1.1 |
| <ul style="list-style-type: none"> <li>• at 60 Hz</li> <li>• for AC</li> </ul> |   | 0.85 ... 1.1 |
| • for DC                                                                       |   | 0.85 ... 1.1 |

#### Auxiliary circuit:

|                                                                                            |   |     |
|--------------------------------------------------------------------------------------------|---|-----|
| <b>Operating current / of auxiliary contacts</b>                                           |   |     |
| <ul style="list-style-type: none"> <li>• as normally closed contact / for AC-15</li> </ul> |   |     |
| <ul style="list-style-type: none"> <li>• at 24 V</li> </ul>                                | A | 3   |
| <ul style="list-style-type: none"> <li>• at 250 V</li> </ul>                               | A | 3   |
| <ul style="list-style-type: none"> <li>• as normally open contact / for AC-15</li> </ul>   |   |     |
| <ul style="list-style-type: none"> <li>• at 24 V</li> </ul>                                | A | 3   |
| <ul style="list-style-type: none"> <li>• at 250 V</li> </ul>                               | A | 3   |
| <ul style="list-style-type: none"> <li>• at AC-15</li> </ul>                               |   |     |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                                | A | 3   |
| <ul style="list-style-type: none"> <li>• at DC-13</li> </ul>                               |   |     |
| <ul style="list-style-type: none"> <li>• at 24 V</li> </ul>                                | A | 1   |
| <ul style="list-style-type: none"> <li>• at 125 V</li> </ul>                               | A | 0.2 |
| <ul style="list-style-type: none"> <li>• at 250 V</li> </ul>                               | 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 | 83   |
| <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 |
|                                                          |             |    |   |

#### Connections/ terminals:

##### Design of the electrical connection

- for auxiliary and control current circuit

screw-type terminals

#### General Product Approval

#### Declaration of Conformity

#### Test Certificates



CCC



CSA



UL



EG-Konf.

[Special Test Certificate](#)

#### Shipping Approval



BUREAU  
VERITAS



DNV



GL



LRS



PRS



RINA

#### Shipping Approval

other



RMRS

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

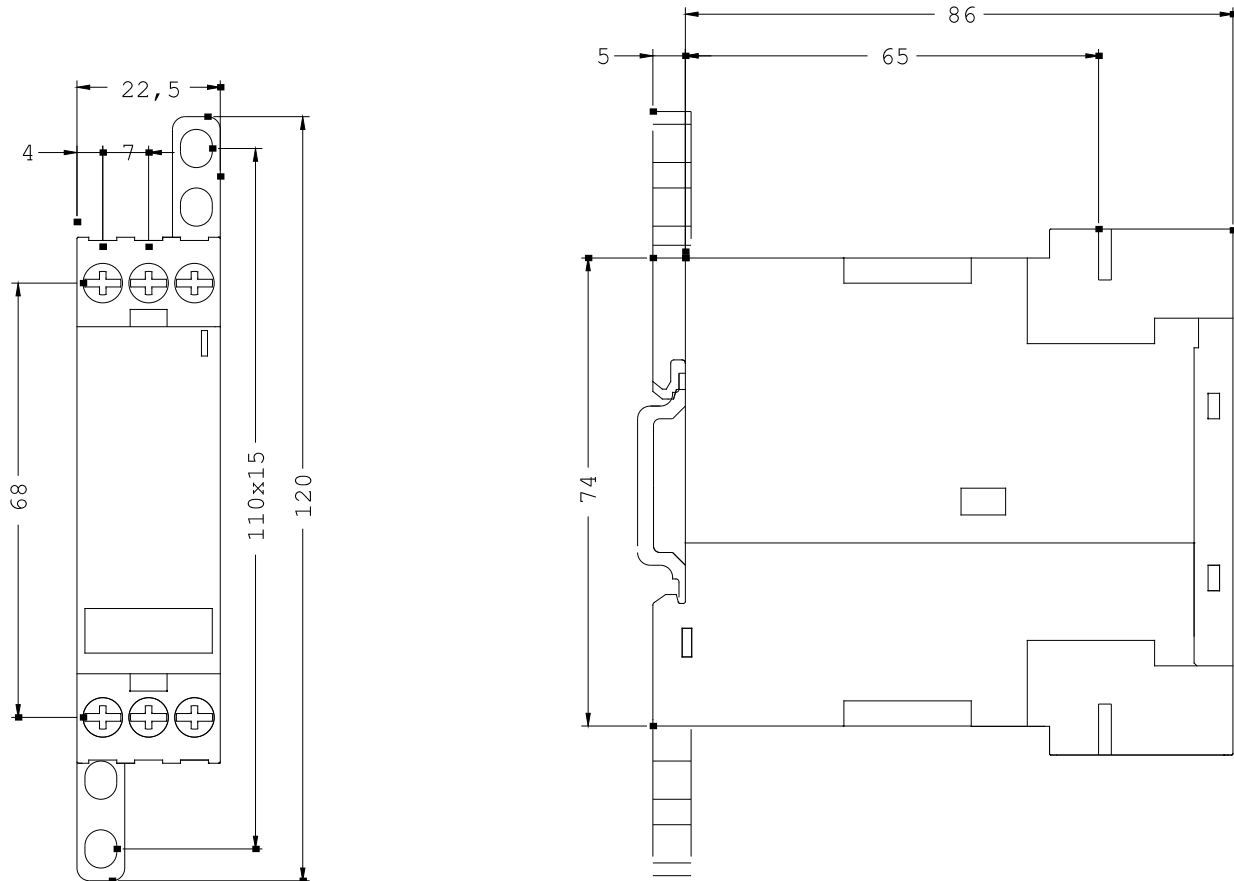
#### Further information:

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

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

##### Industry Mall (Online ordering system)

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



last change:

Jul 28, 2014