

MULTIFUNCTION TIME RELAY IN CAGE-CLAMP TECH. 1  
CHANGEOVER CLOCK,  
0.5S...100H, AC/DC 100...127V, 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 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:

|                           |                                              |              |
|---------------------------|----------------------------------------------|--------------|
| <b>Switching function</b> | • slow-operating                             | No           |
|                           | • 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           |
| <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                                                              |    |              |
| • at 50 Hz                                                       |    |              |
| • for AC                                                         | V  | 100 ... 127  |
| • at 60 Hz                                                       |    |              |
| • for AC                                                         | V  | 100 ... 127  |
| <b>Operating range factor control supply voltage rated value</b> |    |              |
| • at 50 Hz                                                       |    |              |
| • for AC                                                         |    | 0.85 ... 1.1 |
| • at 60 Hz                                                       |    |              |
| • for AC                                                         |    | 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 <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 250 V</li> </ul> </li> <li>• as normally open contact / for AC-15 <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 250 V</li> </ul> </li> <li>• at AC-15 <ul style="list-style-type: none"> <li>• maximum</li> </ul> </li> <li>• at DC-13 <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 125 V</li> <li>• at 250 V</li> </ul> </li> </ul> | A | 3   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A | 3   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A | 3   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A | 3   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A | 3   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A | 1   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A | 0.2 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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    |

**Distance, to be maintained, conductive elements**

- downwards
- backwards
- sideways
- forwards
- upwards

|    |   |
|----|---|
| mm | 0 |
| mm | 0 |
| mm | 0 |
| mm | 0 |
| mm | 0 |

**Connections/ terminals:****Design of the electrical connection**

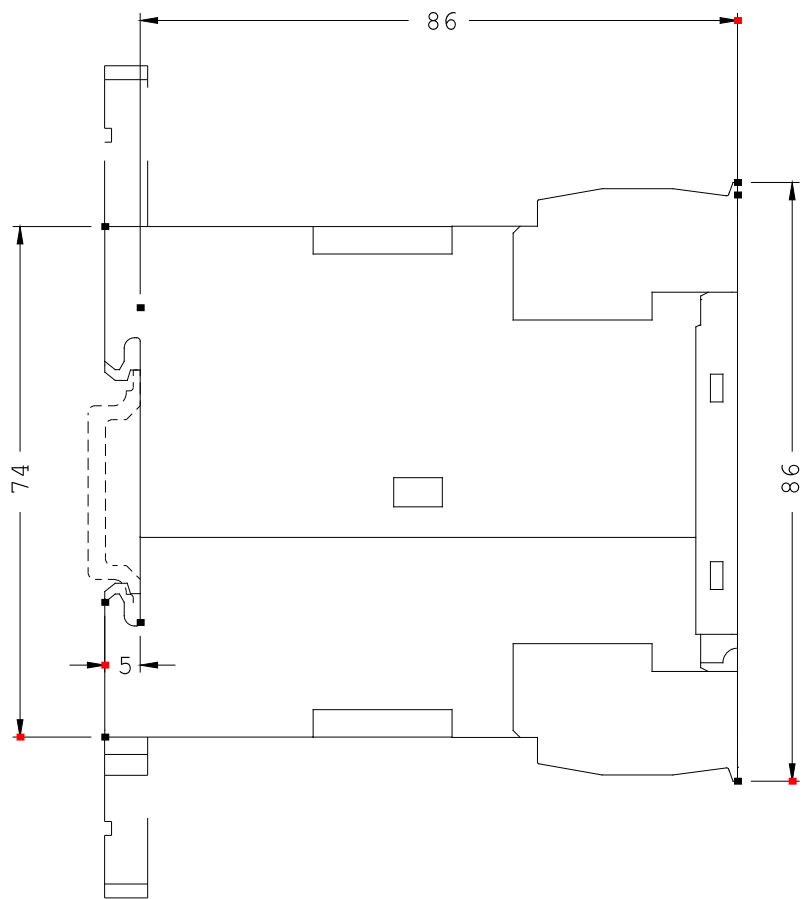
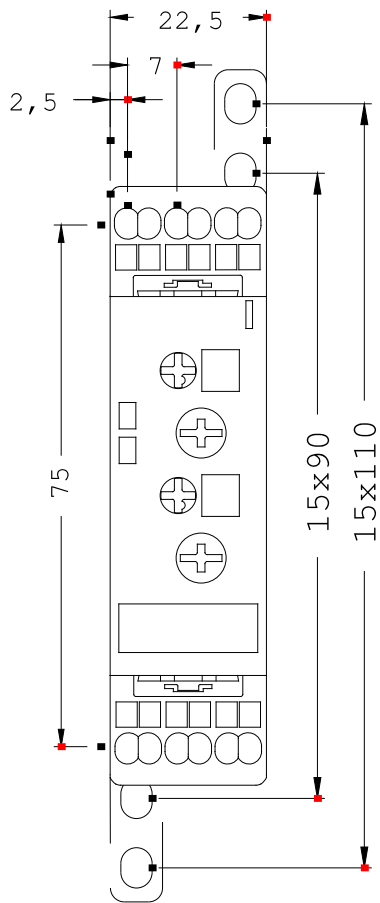
- for auxiliary and control current circuit

spring-loaded terminals

**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/3RP1555-2AQ30/all>
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RP1555-2AQ30](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1555-2AQ30)



last change:

Jul 28, 2014