

TIMING RELAY, PROCESSOR BASIS,  
 SPRING-LOADED TERMINAL, 2 CO CONTACTS,  
 OFF-DELAY, 0.05S...600S,  
 24-240V AC/DC AT 50/60HZ AC

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
Protection class IP / of the terminal		IP20
mounting position		any
Product function		
<ul style="list-style-type: none"> <li>at the relay outputs / changeover delayed/without delay</li> </ul>		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		
<ul style="list-style-type: none"> <li>during storage</li> </ul>	°C	-40 ... +85
<ul style="list-style-type: none"> <li>during operating</li> </ul>	°C	-25 ... +60
<ul style="list-style-type: none"> <li>during transport</li> </ul>	°C	-40 ... +85
Relative humidity		
<ul style="list-style-type: none"> <li>during operating phase</li> </ul>	%	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

<b>Adjustable time</b>	/ s	600
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### Control circuit/ Control:

<b>Voltage type / of control feed voltage</b>		AC/DC
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<b>Control supply voltage frequency</b>		
• 1	Hz	50 ... 60

<b>Control supply voltage</b>		
• 1		
• at 50 Hz		
• for AC	V	24 ... 240
• at 60 Hz		
• for AC	V	24 ... 240
• for DC	V	24 ... 240

<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>		
• 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>		2
<b>Number of change-over switches / non-delayed</b>		0

#### Short-circuit:

**Design of the fuse link / for short-circuit protection of the auxiliary switch / required**

fuse gL/gG: 4 A

**Mounting type**

screw and snap-on mounting onto 35 mm standard mounting rail

#### Installation/ mounting/ dimensions:

<b>Width</b>	mm	22.5
<b>Height</b>	mm	103
<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
- backwards
- sideways
- forwards
- upwards

mm	0
mm	0
mm	0
mm	0
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/3RP1540-2BW31/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RP1540-2BW31](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1540-2BW31)

**last change:**

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