



TIMING RELAY, SOLID-STATE, OFF-DELAY,  
1 CO CONTACT, W/O AUX.VOLTAGE,  
9 TIME SETTING RANGES 0.05S...600S,  
200...240V AC/DC, WITH LED,  
SCREW TERMINAL

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

<b>Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5</b>		1 kV
<b>Electrostatic discharge / according to IEC 61000-4-2</b>		4 kV contact discharge / 8 kV air discharge
<b>Field-bound parasitic coupling / according to IEC 61000-4-3</b>		10 V/m
<b>Resistance against vibration</b>		10 ... 55 Hz / 0.35 mm
<b>Impulse voltage resistance / rated value</b>	V	4,000
<b>Active power loss / total / typical</b>	W	2
<b>Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</b>		K
<b>Reference ID / according to DIN EN 61346-2</b>		K
<b>Category / according to EN 954-1</b>		none
<b>Protection against electrical shock</b>		finger-safe

#### Switching Function:

<b>Switching function</b>		
• 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	0.05 ... 600

#### 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		
• at 50 Hz		
• for AC	V	200 ... 240
• at 60 Hz		

• for AC	V	200 ... 240
• for DC	V	200 ... 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>		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



[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>

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

<http://support.automation.siemens.com/WW/view/en/3RP1540-1AN31/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RP1540-1AN31](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1540-1AN31)

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**last change:**

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