



SOLID-STATE TIME RELAY OFF-DELAY WITH AUXILIARY VOLTAGE AND SEMICONDUCTOR OUTPUT 24...240V AC/DC TIME RANGE 0.05...100S FOR SNAPPING ONTO THE FRONT;  
FOR 3RT2 CONTACTORS SPRING-LOADED TERMINALS

### General technical data:

<b>product brand name</b>		SIRIUS
<b>product designation</b>		timing relay
<b>Design of the product</b>		off-delayed with auxiliary voltage
<b>Size of the contactor / can be combined</b>		
<ul style="list-style-type: none"> <li>company-specific</li> </ul>		S00, S0
<b>Protection class IP / on the front</b>		IP20
<b>Protection class IP / of the terminal</b>		IP20
<b>Degree of pollution</b>		3
<b>Insulation voltage / with degree of pollution 3</b>		
<ul style="list-style-type: none"> <li>rated value</li> </ul>	V	300
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Ambient temperature</b>		
<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
<b>EMC immunity to interference</b>		
<ul style="list-style-type: none"> <li>according to IEC 60947-1</li> </ul>		ambience A (industrial sector)
<b>EMC emitted interference</b>		
<ul style="list-style-type: none"> <li>according to IEC 60947-1</li> </ul>		CISPR11, ambience A (industrial sector)

<b>Conductor-bound parasitic coupling BURST</b> • according to IEC 61000-4-4		2 kV network connection / 1 kV control connection
<b>Conductor-bound parasitic coupling conductor-earth SURGE</b> • according to IEC 61000-4-5		2 kV
<b>Conductor-bound parasitic coupling conductor-conductor SURGE</b> • according to IEC 61000-4-5		1 kV
<b>Electrostatic discharge</b> • according to IEC 61000-4-2		8 kV
<b>Field-bound parasitic coupling</b> • according to IEC 61000-4-3		10 V/m
<b>Resistance against shock</b>		15g / 11 ms
<b>Resistance against vibration</b>		10 ... 55 Hz / 0.35 mm
<b>Impulse voltage resistance / rated value</b>	kV	4
<b>Item designation</b> • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 • according to DIN EN 61346-2		K K
<b>Adjustable time</b>	s	0.05 ... 100
<b>Switching function</b> • slow-operating • relapse delayed • with auxiliary voltage • relapse delayed • without auxiliary voltage / relapse delayed • with auxiliary voltage / pulse-shaping		No Yes  Yes No No
<b>Product component / semi-conductor output</b>		Yes
<b>Product extension</b> • optional / remote control • strictly required / remote control		No No
<b>Product function</b> • star-delta circuit		No

#### Control circuit:

<b>Design of the surge suppressor</b>		with varistor
<b>Supply voltage / strictly required</b> • auxiliary voltage		Yes
<b>Type of voltage</b> • of the controlled supply voltage		AC/DC
<b>Control supply voltage frequency / 1</b>	Hz	50 ... 60
<b>Control supply voltage / 1</b>		

• for DC	V	24 ... 240
• at 50 Hz / for AC	V	24 ... 240
• at 60 Hz / for AC	V	24 ... 240
<b>Operating range factor control supply voltage rated value</b>		
• of the solenoid		0.85 ... 1.1

#### Auxiliary circuit:

<b>Operating current / of the auxiliary contacts</b>		
• at AC-140 / at 250 V	A	0.4
• at DC-13		
• at 24 V	A	0.4
• at 125 V	A	0.4
• at 250 V	A	0.4

#### Installation/mounting/dimensions:

<b>mounting position</b>		any
<b>Type of mounting</b>		clip-on
<b>Width</b>	mm	45
<b>Height</b>	mm	38
<b>Depth</b>	mm	74
<b>Distance, to be maintained, to the ranks assembly</b>		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0
<b>Distance, to be maintained, to earthed part</b>		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0
<b>Distance, to be maintained, conductive elements</b>		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0

#### Connections:

<b>Design of the electrical connection</b>		
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• for auxiliary and control current circuit		screw-type terminals
<b>Product function</b>		
• removable terminal for auxiliary and control circuit		Yes
<b>Type of the connectable conductor cross-section</b>		
• for auxiliary contacts		
• solid		0.5 ... 4 mm <sup>2</sup> , 2x (0.5 ... 2.5 mm <sup>2</sup> )
• finely stranded		
• with conductor end processing		1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• for AWG conductors / for auxiliary contacts		2x (20 ... 14)

#### Certificates/approvals:

##### Verification of suitability

- EC declaration of conformity
- CSA-approval
- UL-registration

CE / UL / CSA

Yes

Yes

Yes

##### General Product Approval

##### Test Certificates



CSA



GOST



UL

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

##### Shipping Approval



ABS



DNV



GL



LRS



RMRS

##### other

[Declaration of Conformity](#)

[other](#)

#### 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

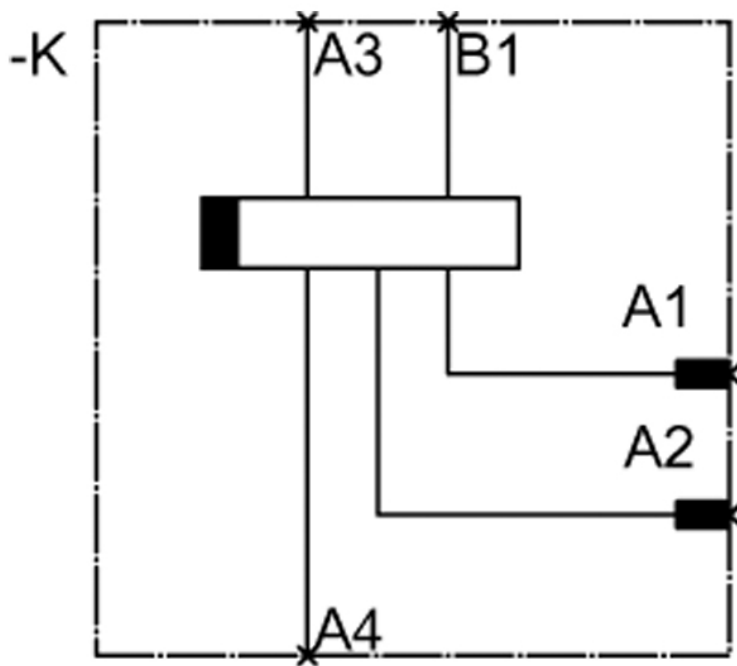
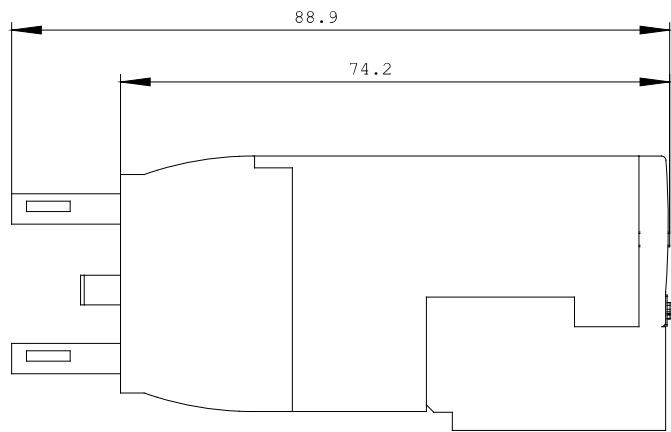
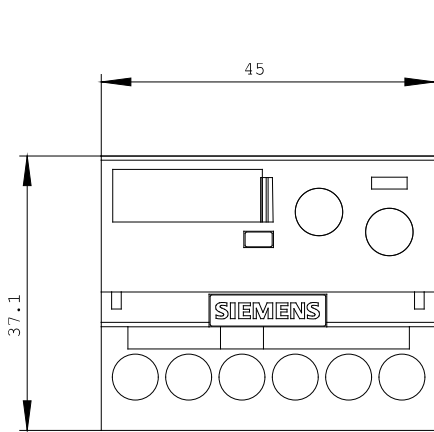
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RA2812-1DW10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA2812-1DW10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA2812-1DW10)



last change:

Apr 13,  
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