



TIME RELAY,  
MULTI-FUNCTION 2 CHANGEOVER,  
16 FUNCTIONS,  
15 TIME SETTING RANGES AC 24/200... 240 V AND DC  
24V,  
WITH LED, SCREW CONNECTION

General technical data:		
<b>product brand name</b>		SIRIUS
<b>product designation</b>		timing relay
<b>Protection class IP / on the front</b>		IP40
<b>Protection class IP / of the terminal</b>		IP20
<b>mounting position</b>		any
<b>Supply voltage frequency</b>		
<ul style="list-style-type: none"> <li>• 1 / for auxiliary and control current circuit</li> </ul>		
<ul style="list-style-type: none"> <li>• initial rated value</li> </ul>	Hz	50
<ul style="list-style-type: none"> <li>• final rated value</li> </ul>	Hz	60
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• star-delta circuit</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• with auxiliary voltage / pulse-shaping</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• at the relay outputs / changeover delayed/without delay</li> </ul>		Yes
<b>Product component / semi-conductor output</b>		No
<b>Product extension / optional / remote control</b>		No
<b>Product extension / strictly required / remote control</b>		No
<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

• during operating	°C	-25 ... +60
• during transport	°C	-40 ... +85
<b>Relative humidity</b>		
• during operating phase	%	15 ... 70
<b>Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4</b>		2 kV network connection / 1 kV control connection
<b>Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5</b>		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>Insulation voltage / rated value</b>	V	300
<b>Active power loss / total / typical</b>	W	2
<b>Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</b>		K
<b>Item designation / 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:

##### Switching function

• slow-operating	Yes
• making pulse contact	No
• firmly clocked beginning with pulse	No
• firmly clocked beginning with pause	Yes
• relapse delayed	Yes
• variably clocked start with impulse	No
• impuls variably clocked start with pause	No
• with auxiliary voltage	
• in an additive way slow-operating	Yes
• temporary line fault	Yes
• relapse delayed	Yes
• without auxiliary voltage / relapse delayed	No
• slow-operating/instantaneous contact	Yes
• with auxiliary voltage	
• relapse delayed/instantaneous contact	Yes
• slow-operating/relapse delayed/instantaneous contact	Yes
• firmly clocked beginning with pause/instantaneous contact	Yes

<ul style="list-style-type: none"> <li>• making pulse contact/instantaneous contact</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• with auxiliary voltage <ul style="list-style-type: none"> <li>• temporary line fault/instantaneous contact</li> <li>• pulse modelling/instantaneous contact</li> <li>• slow-operating/instantaneous contact</li> </ul> </li> </ul>		Yes
<b>Adjustable time</b>	s / h	0.05 ... 100

Control circuit/ Control:		
<b>Type of voltage / of the controlled supply voltage</b>		AC/DC
<b>Control supply voltage frequency</b>		
<ul style="list-style-type: none"> <li>• 1</li> </ul>	Hz	50 ... 60
<b>Control supply voltage</b>		
<ul style="list-style-type: none"> <li>• 1 <ul style="list-style-type: none"> <li>• at 50 Hz / for AC / rated value</li> <li>• at 60 Hz / for AC / rated value</li> <li>• for DC / rated value</li> </ul> </li> <li>• 2 <ul style="list-style-type: none"> <li>• at 50 Hz <ul style="list-style-type: none"> <li>• for AC</li> </ul> </li> <li>• at 60 Hz <ul style="list-style-type: none"> <li>• for AC</li> </ul> </li> </ul> </li> </ul>	V	24
	V	24
	V	24
	V	200 ... 240
	V	200 ... 240
<b>Operating range factor control supply voltage rated value</b>		
<ul style="list-style-type: none"> <li>• at 50 Hz <ul style="list-style-type: none"> <li>• for AC</li> </ul> </li> <li>• at 60 Hz <ul style="list-style-type: none"> <li>• for AC</li> </ul> </li> <li>• for DC</li> </ul>		0.85 ... 1.1
		0.85 ... 1.1
		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> </ul> </li> </ul>	A	3
	A	3
	A	3
	A	3
	A	3
	A	3
	A	1
	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:

<b>Design of the fuse link / for short-circuit protection of the auxiliary switch / required</b>		fuse gL/gG: 4 A
<b>Type of mounting</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	102
<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:

<b>Design of the snap-on socket base</b>		none
<b>Design of the electrical connection</b>		
• jumper socket		No
• for auxiliary and control current circuit		screw-type terminals

Type of the connectable conductor cross-section / for auxiliary contacts / solid		0.5 ... 4 mm <sup>2</sup> , 2x (0.5 ... 2.5 mm <sup>2</sup> )
Conductor cross-section that can be connected / for auxiliary contact / solid		
• minimum	mm <sup>2</sup>	0.5
• maximum	mm <sup>2</sup>	4
Type of the connectable conductor cross-section / for auxiliary contacts / finely stranded / with conductor end processing		0.5 ... 2.5 mm <sup>2</sup> , 2x (0.5 ... 1.5 mm <sup>2</sup> )
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing		
• minimum	mm <sup>2</sup>	0.5
• maximum	mm <sup>2</sup>	2.5
Type of the connectable conductor cross-section / for AWG conductors / for auxiliary contacts		2x (20 ... 14)
AWG number / as coded connectable conductor cross-section / for auxiliary contact		
• minimum		20
• maximum		14

#### Certificates/ approvals:

Verification of suitability CE / UL / CSA

General Product Approval

Declaration of Conformity

Test Certificates



CCC



CSA



UL



EG-Konf.

[Special Test Certificate](#)

Shipping Approval



BUREAU VERITAS



DNV



GL



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PRS



RINA

Shipping Approval

other



RMRS

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#### Further information:

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

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

Industry Mall (Online ordering system)

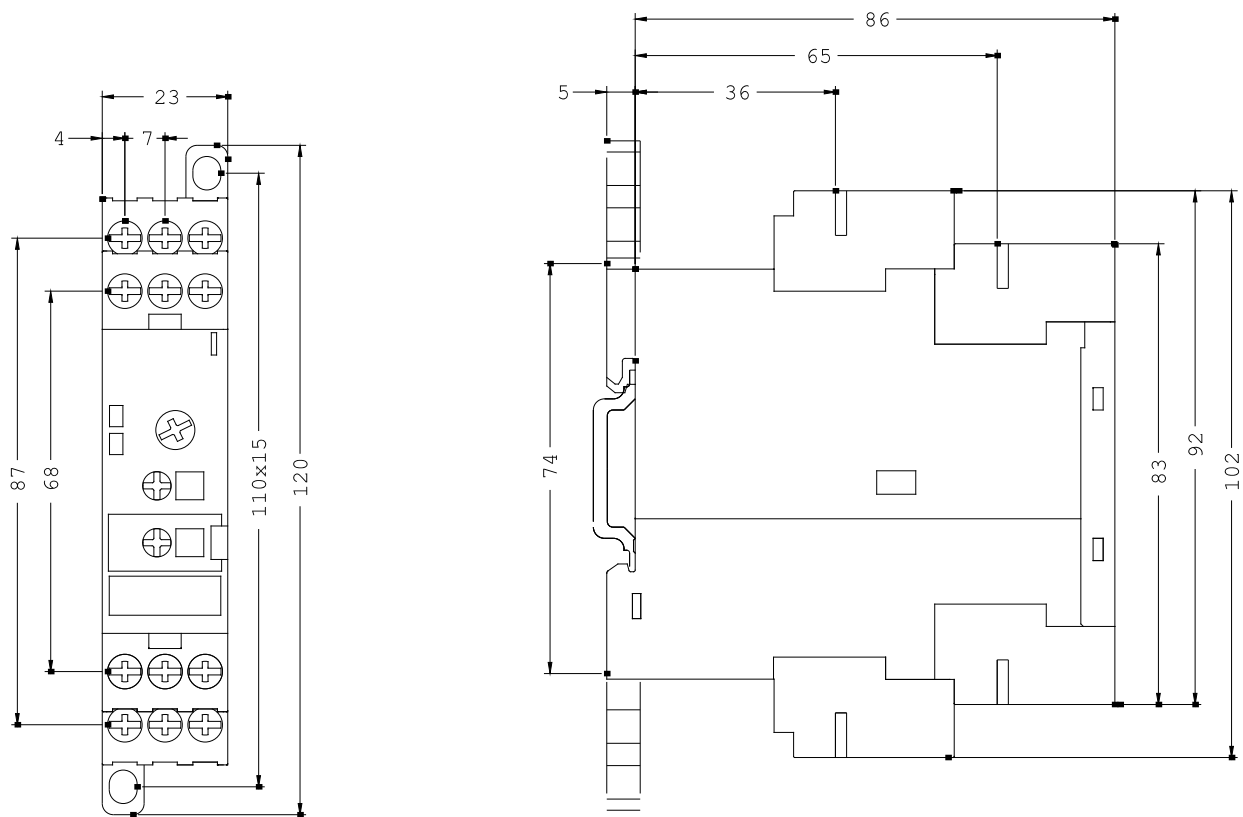
<http://www.siemens.com/industrial-controls/mall>

Cax online generator

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

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

<http://support.automation.siemens.com/WWW/view/en/3RP1505-1BP30/all>



last change:

Aug 19, 2013

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