

MULTIFUNCTION TIME RELAY IN CAGE-CLAMP TECH. 1
CHANGEOVER,
8 FUNCTIONS, AC/DC 24V/AC 100...127V

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:

Switching function		
• slow-operating		Yes
• making pulse contact		Yes
• relapse delayed		No
• with control signal		
• additive ON delay		Yes
• passing break contact		Yes
• OFF delay		Yes
• 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
Adjustable time	s / h	0.05 ... 100
Control circuit/ Control:		
Voltage type / of control feed voltage		AC/DC
Control supply voltage frequency		
• 1	Hz	50 ... 60
Control supply voltage		
• 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
Operating range factor control supply voltage rated value		
• 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:		
Operating current / of auxiliary contacts		

• as normally closed contact / for AC-15 • at 24 V • at 250 V • as normally open contact / for AC-15 • at 24 V • at 250 V • at AC-15 • maximum • at DC-13 • at 24 V • at 125 V • at 250 V	A	3
	A	3
	A	3
	A	3
	A	3
	A	1
	A	0.2
	A	0.1
Number of NC contacts / delayed switching		0
Number of NC contacts / non-delayed		0
Number of NO contacts / delayed switching		0
Number of NO contacts / non-delayed		0
Number of change-over switches / delayed switching		1
Number of change-over switches / non-delayed		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:

Width	mm	22.5
Height	mm	103
Depth	mm	91
Distance, to be maintained, to the ranks assembly		
• upwards	mm	0
• forwards	mm	0
• sideways	mm	0
• backwards	mm	0
• downwards	mm	0
Distance, to be maintained, to earthed part		
• 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**

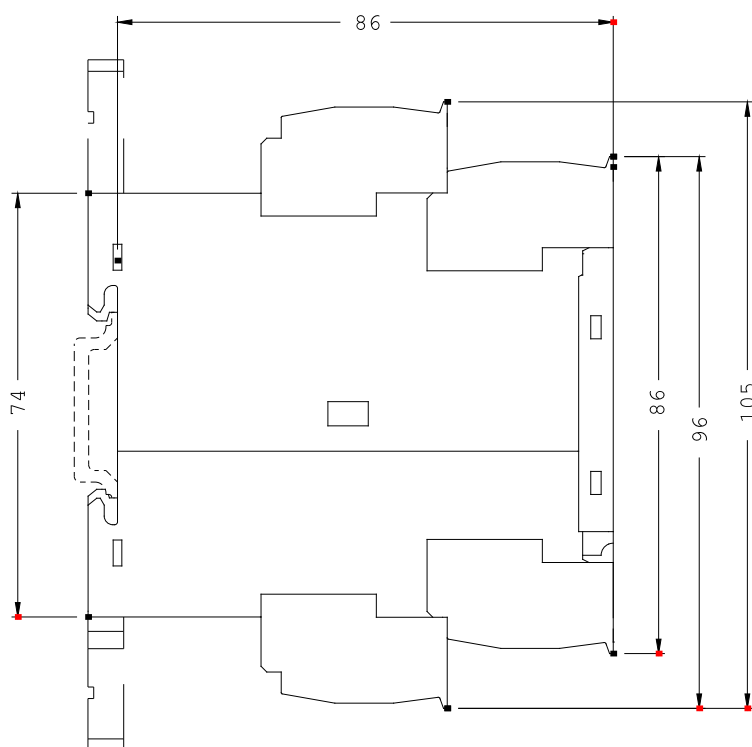
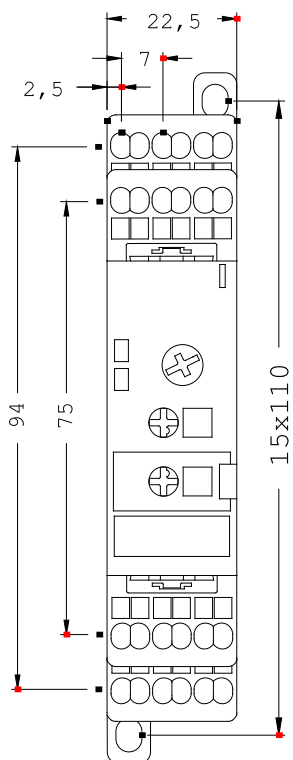
- for auxiliary and control current circuit

spring-loaded terminals

General Product Approval**Declaration of
Conformity****Test Certificates**
[Special Test
Certificate](#)
Shipping Approval**Shipping Approval**

other


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Further information:**Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/industrial-controls/catalogs>
Industry Mall (Online ordering system)
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Cax online generator
<http://www.siemens.com/cax>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<http://support.automation.siemens.com/WW/view/en/3RP1505-2AQ30/all>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1505-2AQ30



last change:

Jul 28, 2014