



TIMING RELAY, SOLID-STATE, OFF-DELAY,
W/O AUX.VOLTAGE,
1 CO CONTACT 9 TIME SETTING RANGES 0.05S...600S,
24V 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		
• 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		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
Adjustable time	s	0.05 ... 600

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
Operating range factor control supply voltage rated value		

- at 50 Hz
 - for AC
- at 60 Hz
 - for AC
- for DC

0.85 ... 1.1

0.85 ... 1.1

0.7 ... 1.25

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 83

Depth

mm 91

Distance, to be maintained, to the ranks assembly

- upwards
- forwards
- sideways
- backwards

mm 0

mm 0

mm 0

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	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



CCC



CSA



UL



EG-Konf.

[Special Test
Certificate](#)

Shipping Approval



BUREAU
VERITAS



DNV



GL



LRS



PRS



RINA

Shipping Approval

other



RMRS

[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/3RP1540-1AB31/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1540-1AB31

last change:

Jul 28, 2014