



TIME RELAY,
MULTI-FUNCTION 2 CHANGEOVER,
16 FUNCTIONS,
15 TIME SETTING RANGES AC 24 V AND DC 100... 127 V,
WITH LED, SCREW CONNECTION

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"> at the relay outputs / changeover delayed/without delay 		Yes
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"> during storage 	°C	-40 ... +85
<ul style="list-style-type: none"> during operating 	°C	-25 ... +60
<ul style="list-style-type: none"> during transport 	°C	-40 ... +85
Relative humidity		
<ul style="list-style-type: none"> 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
Resistance against vibration		10 ... 55 Hz / 0.35 mm
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		Yes
• with control signal		
• OFF delay/instantaneous		Yes
• ON delay/OFF delay/instantaneous		Yes
• making pulse contact/instantaneous contact		Yes
• with control signal		
• passing break contact/instantaneous		Yes
• pulse-shaping/instantaneous		Yes
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		
• at 50 Hz / for AC / rated value	V	24
• at 60 Hz / for AC / rated value	V	24
• for DC / rated value	V	24

<ul style="list-style-type: none"> • 2 • at 50 Hz <ul style="list-style-type: none"> • for AC • at 60 Hz <ul style="list-style-type: none"> • for AC 	V	100 ... 127
<ul style="list-style-type: none"> • at 50 Hz <ul style="list-style-type: none"> • for AC • at 60 Hz <ul style="list-style-type: none"> • for AC • for DC 	V	100 ... 127
Operating range factor control supply voltage rated value		
<ul style="list-style-type: none"> • at 50 Hz <ul style="list-style-type: none"> • for AC • at 60 Hz <ul style="list-style-type: none"> • for AC • for DC 		0.85 ... 1.1
		0.85 ... 1.1
		0.85 ... 1.1

Auxiliary circuit:

Operating current / of auxiliary contacts		
<ul style="list-style-type: none"> • as normally closed contact / for AC-15 <ul style="list-style-type: none"> • at 24 V • at 250 V • as normally open contact / for AC-15 <ul style="list-style-type: none"> • at 24 V • at 250 V • at AC-15 <ul style="list-style-type: none"> • maximum • at DC-13 <ul style="list-style-type: none"> • 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		2
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	102

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	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

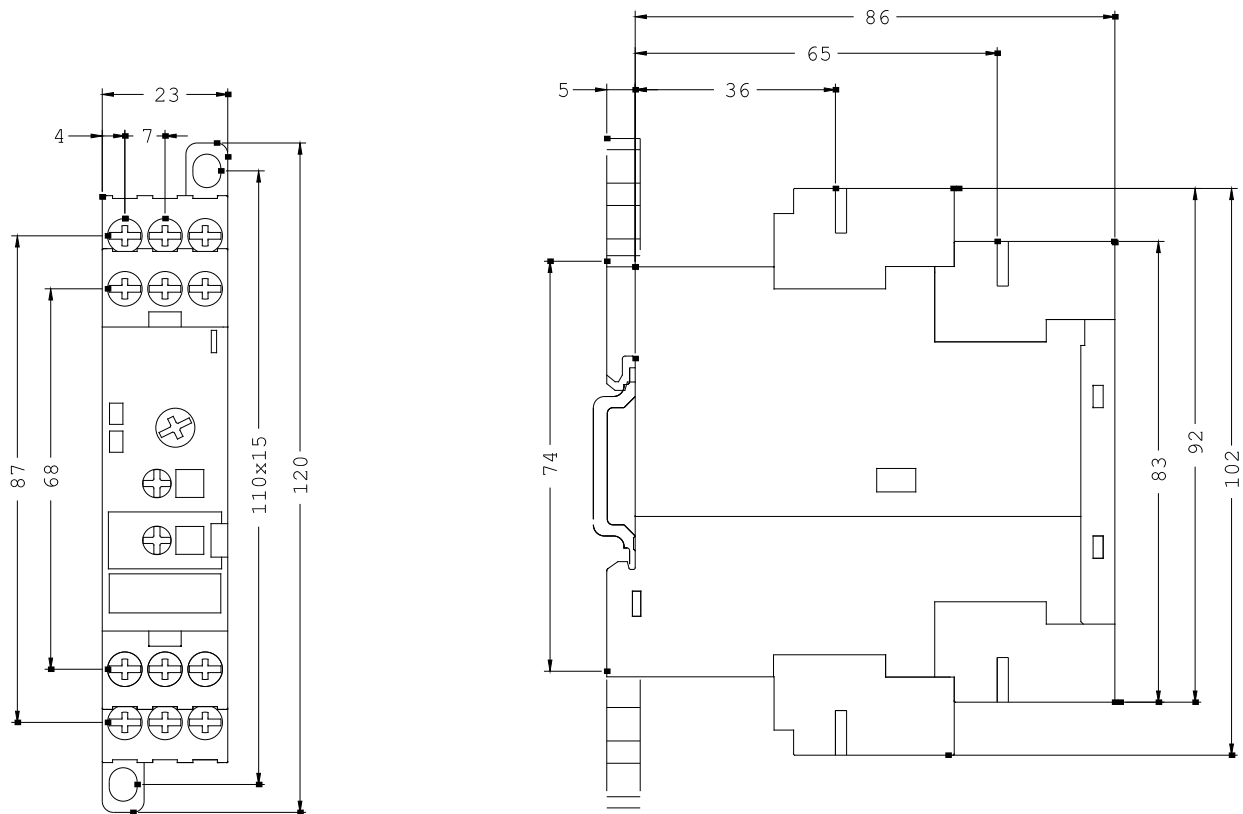
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RP1505-1BQ30/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1505-1BQ30



last change:

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