



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:		
product brand name		SIRIUS
product designation		timing relay
Protection class IP / on the front		IP40
Protection class IP / of the terminal		IP20
mounting position		any
Supply voltage frequency		
<ul style="list-style-type: none"> • 1 / for auxiliary and control current circuit 		
<ul style="list-style-type: none"> • initial rated value 	Hz	50
<ul style="list-style-type: none"> • final rated value 	Hz	60
Product function		
<ul style="list-style-type: none"> • star-delta circuit 		Yes
<ul style="list-style-type: none"> • with auxiliary voltage / pulse-shaping 		Yes
<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

• 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
Resistance against vibration		10 ... 55 Hz / 0.35 mm
Impulse voltage resistance / rated value	V	4,000
Insulation voltage / rated value	V	300
Active power loss / total / typical	W	2
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		K
Item designation / 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	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"> • making pulse contact/instantaneous contact 		Yes
<ul style="list-style-type: none"> • with auxiliary voltage <ul style="list-style-type: none"> • temporary line fault/instantaneous contact • pulse modelling/instantaneous contact • slow-operating/instantaneous contact 		Yes
Adjustable time	s / h	0.05 ... 100

Control circuit/ Control:		
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage frequency		
<ul style="list-style-type: none"> • 1 	Hz	50 ... 60
Control supply voltage		
<ul style="list-style-type: none"> • 1 <ul style="list-style-type: none"> • at 50 Hz / for AC / rated value • at 60 Hz / for AC / rated value • for DC / rated value • 2 <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 	V	24
	V	24
	V	24
	V	200 ... 240
	V	200 ... 240
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 	A	3
	A	3
	A	3
	A	3
	A	3
	A	1
	A	0.2

• at 250 V	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

Type of mounting

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
- forwards
- sideways
- backwards
- downwards

mm 0
mm 0
mm 0
mm 0
mm 0

Distance, to be maintained, to earthed part

- backwards
- sideways
- upwards
- forwards
- downwards

mm 0
mm 0
mm 0
mm 0
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 snap-on socket base

none

Design of the electrical connection

- jumper socket
- for auxiliary and control current circuit

No
screw-type terminals

Type of the connectable conductor cross-section / for auxiliary contacts / solid		0.5 ... 4 mm ² , 2x (0.5 ... 2.5 mm ²)
Conductor cross-section that can be connected / for auxiliary contact / solid		
• minimum	mm ²	0.5
• maximum	mm ²	4
Type of the connectable conductor cross-section / for auxiliary contacts / finely stranded / with conductor end processing		0.5 ... 2.5 mm ² , 2x (0.5 ... 1.5 mm ²)
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing		
• minimum	mm ²	0.5
• maximum	mm ²	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



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)

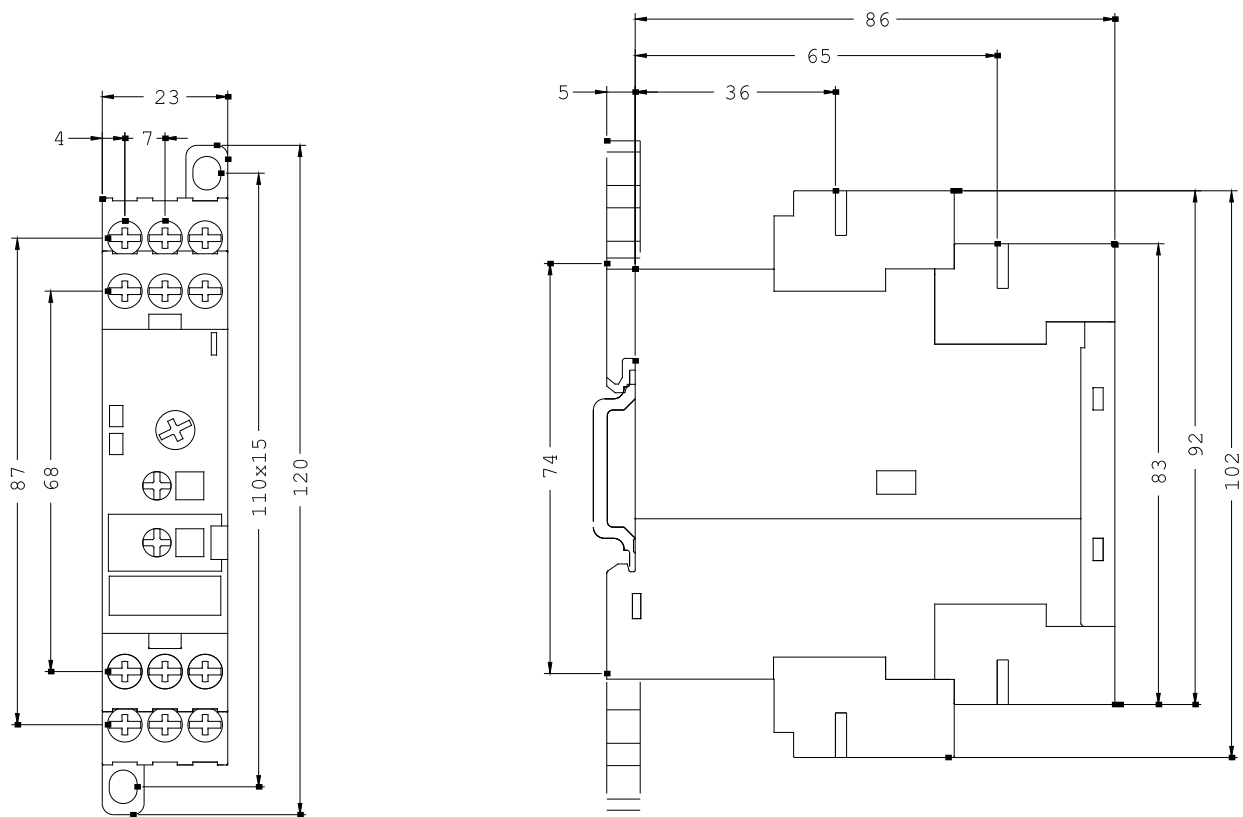
<http://www.siemens.com/industrial-controls/mall>

Cax online generator

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

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

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



last change:

Aug 19, 2013