



TIME RELAY, SOLID-STATE, ON-DELAY, 1 CO, 1
TIME RANGE 0.5S...10S, AC 24, 230V AND DC 24V,
WITH LED, SCREW TERMINAL

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
Adjustable time	s	0.5 ... 10
Protection class IP		
• on the front		IP40
• of the terminal		IP20
Shock resistance		15g / 11 ms
Degree of pollution		2
mounting position		any
Supply voltage required Auxiliary voltage		No
Product function		
• star-delta circuit		No
• with auxiliary voltage pulse-shaping		No
• at the relay outputs Switchover delayed/without delay		No
Product component semi-conductor output		No
Product expansion		
• optional remote control		No
• required remote control		No
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during storage	°C	-40 ... +70
• during operation	°C	-25 ... +55

• during transport	°C	-40 ... +70
Relative humidity during operation	%	15 ... 85
EMI immunity acc. to IEC 60947-1		corresponds to degree of severity 3
EMC emitted interference acc. to IEC 60947-1		IEC61000-6-3 (residential area)
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Electrostatic discharge acc. to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Vibration resistance		10 ... 55 Hz / 0.35 mm
Surge voltage resistance Rated value	V	4 000
Insulation voltage Rated value	V	300
Active power loss total typical	W	2
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		K
Equipment marking acc. to DIN EN 61346-2		K

Switching Function:

Switching function		
• passing make contact		No
• fixed clock cycle beginning with pulse		No
• variably clocked start with interval		No
• OFF delay		No
• variably clocked start with impulse		No
• with control signal		
— passing break contact		No
— OFF delay		No
— additive ON delay		No
— passing break contact/instantaneous		No
— OFF delay/instantaneous		No
— ON-delay/OFF-delay/instantaneous		No
— pulse-shaping/instantaneous		No
— pulse-shaping		No
— ON-delay/instantaneous contact		No
• ON-delay/instantaneous contact		No
• passing make contact/instantaneous contact		No
• fixed clock cycle beginning with interval		No
• without control signal OFF delay		No
• ON-delay		Yes

- fixed clock cycle beginning with interval/instantaneous contact

No

Control circuit/ Control:

Type of voltage of the control supply voltage		AC/DC
Control supply voltage frequency 1	Hz	50 ... 60
Control supply voltage 1		
<ul style="list-style-type: none"> • with AC <ul style="list-style-type: none"> — at 50 Hz — at 60 Hz — Rated value 	V	200 ... 240
	V	200 ... 240
	V	24
Control supply voltage 2 with AC		
<ul style="list-style-type: none"> • at 50 Hz Rated value • at 60 Hz Rated value 	V	24
	V	24
Operating range factor control supply voltage rated value of the magnet coil		0.85 ... 1.1

Auxiliary circuit:

Operating current of the auxiliary contacts		
<ul style="list-style-type: none"> • at AC-15 <ul style="list-style-type: none"> — at 24 V — at 250 V • at DC-13 <ul style="list-style-type: none"> — at 24 V — at 125 V — at 250 V — maximum 	A	3
	A	3
	A	1
	A	0.22
	A	0.1
	A	1
Number of NC contacts		
<ul style="list-style-type: none"> • delayed switching • instantaneous contact 		0
		0
Number of NO contacts		
<ul style="list-style-type: none"> • delayed switching • instantaneous contact 		0
		0
Number of CO contacts		
<ul style="list-style-type: none"> • delayed switching • instantaneous contact 		1
		0

Short-circuit:

Design of the fuse link for short-circuit protection of the auxiliary switch required		fuse gL/gG: 4 A
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Installation/ mounting/ dimensions:

Mounting type		snap-on fastening on 35 mm standard rail
Width	mm	17.5
Height	mm	90

Depth	mm	66.7
Required spacing		
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — upwards — downwards — forwards — Backwards — at the side • for grounded parts <ul style="list-style-type: none"> — upwards — downwards — forwards — Backwards — at the side • for live parts <ul style="list-style-type: none"> — upwards — downwards — forwards — Backwards — at the side 	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0
	mm	0

Connections/ Terminals:		
Type of electrical connection		
<ul style="list-style-type: none"> • Plug-in socket • for auxiliary and control current circuit 		No screw-type terminals
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded <ul style="list-style-type: none"> — with core end processing — without core end processing • for AWG conductors for auxiliary contacts 		1x (0.2 ... 2.5 mm ²) 0.25 ... 1.5 mm ² 1x (0.2 ... 1.5 mm ²) 1x (24 ... 14)
Connectable conductor cross-section for auxiliary contacts		
<ul style="list-style-type: none"> • single or multi-stranded • finely stranded <ul style="list-style-type: none"> — with core end processing — without core end processing 	mm ²	0.2 ... 2.5 0.25 ... 1.5 0.2 ... 1.5
AWG number as coded connectable conductor cross section for auxiliary contacts		14 ... 24

Certificates/ approvals:		
Certificate of suitability		CE



Safety related data:

Category acc. to EN 954-1	none
Protection against electrical shock	finger-safe

Further information

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

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

Industry Mall (Online ordering system)

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

Cax online generator

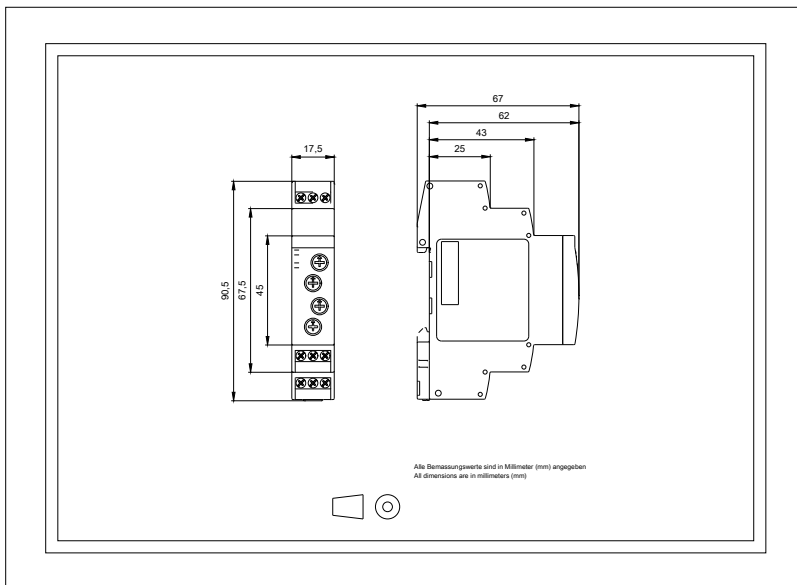
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=7PV15121AP30>

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

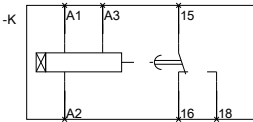
<https://support.industry.siemens.com/cs/ww/en/ps/7PV15121AP30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=7PV15121AP30&lang=en



ZEITRELAIS, ELEKTRONISCH,
ANSCHLUSSE 15-18
1 WECHSLER



last modified:

16.03.2015

TIME RELAY ON DELAY
1 CHANGE-OVER CONTACT