



TIME RELAY, ON-DELAY, 1CO, TIME RANGE 5 S...100 S, AC 24/230 V AND DC 24 V, WITH LED

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
Adjustable time	s	5 ... 100
Protection class IP		IP40
<ul style="list-style-type: none"> <li>• on the front</li> <li>• of the terminal</li> </ul>		IP20
Shock resistance		15g / 11 ms
Degree of pollution		2
mounting position		any
Supply voltage required Auxiliary voltage		No
Product function		
<ul style="list-style-type: none"> <li>• star-delta circuit</li> </ul>		No
<ul style="list-style-type: none"> <li>• with auxiliary voltage pulse-shaping</li> </ul>		No
<ul style="list-style-type: none"> <li>• at the relay outputs Switchover delayed/without delay</li> </ul>		No
Product component semi-conductor output		No
Product expansion		
<ul style="list-style-type: none"> <li>• optional remote control</li> </ul>		No
<ul style="list-style-type: none"> <li>• required remote control</li> </ul>		No
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	°C	-40 ... +70
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	°C	-25 ... +55

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

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

#### Auxiliary circuit:

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

#### Short-circuit:

<b>Design of the fuse link for short-circuit protection of the auxiliary switch required</b>		fuse gL/gG: 4 A
--	--	-----------------

#### Installation/ mounting/ dimensions:

<b>Mounting type</b>		snap-on fastening on 35 mm standard rail
<b>Width</b>	mm	17.5
<b>Height</b>	mm	90

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

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

<b>Certificates/ approvals:</b>		
<b>Certificate of suitability</b>		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

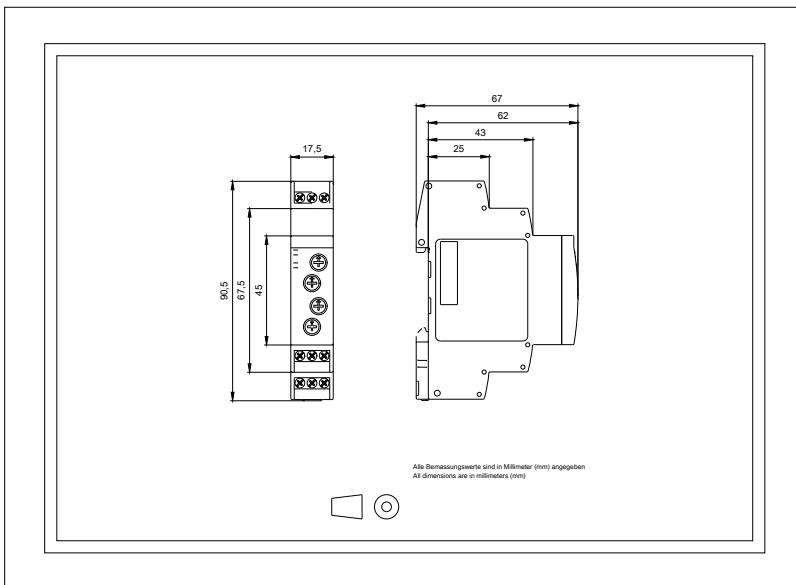
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=7PV15131AP30>

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

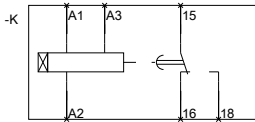
<https://support.industry.siemens.com/cs/ww/en/ps/7PV15131AP30>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=7PV15131AP30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=7PV15131AP30&lang=en)



ZEITRELAIS, ELEKTRONISCH,  
ANSCHLUSSE 15-18  
1 WECHSLER



**last modified:**

16.03.2015

TIME RELAY ON DELAY  
1 CHANGE-OVER CONTACT