

TIME RELAY, SOLID-STATE, ON-DELAY,
1 CO, 7 TIME RANGES 0.05S...100H,
AC/DC 110V, 0.7...1.15XUP,
SCREW CONNECTION

General technical data:

product brand name		SIRIUS
Product designation		timing relay
Adjustable time	s	0.05 ... 360,000
Protection class IP • on the front • of the terminal		IP40 IP20
Resistance against shock		15g / 11 ms
Degree of pollution		2
mounting position		any
Supply voltage / strictly required / auxiliary voltage		No
Product function • star-delta circuit • with auxiliary voltage / pulse-shaping • at the relay outputs / changeover delayed/without delay		No No No
Product component / semi-conductor output		No
Product extension • optional / remote control • strictly required / remote control		No No
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature • during storage • during operating • during transport	°C °C °C	-40 ... +70 -25 ... +55 -40 ... +70
Relative humidity • during operating phase	%	15 ... 85
EMC immunity to interference / according to IEC 60947-1		corresponds to degree of severity 3
EMC emitted interference / according to IEC 60947-1		IEC61000-6-3 (residential area)
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
Reference code		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K
• according to DIN EN 61346-2		K

Switching Function:

Switching function		
• making pulse contact		No
• firmly clocked beginning with pulse		No
• impuls variably clocked start with pause		No
• relapse delayed		No
• variably clocked start with impulse		No
• with control signal		
• passing break contact		No
• OFF delay		No
• slow-operating/instantaneous contact		No
• making pulse contact/instantaneous contact		No
• firmly clocked beginning with pause		No
• with control signal		
• additive ON delay		No
• passing break contact/instantaneous		No
• without control signal / OFF delay		No
• slow-operating		Yes
• with control signal		
• OFF delay/instantaneous		No
• ON delay/OFF delay/instantaneous		No
• firmly clocked beginning with pause/instantaneous contact		No
Switching function / with control signal / pulse-shaping/instantaneous		No
• with control signal		
• pulse-shaping		No
• ON-delay/instantaneous		No

Control circuit:

Voltage type / of control feed voltage		AC/DC
Control supply voltage frequency / 1		
• initial rated value	Hz	50
• final rated value	Hz	60
Control supply voltage / 1		
• at 50 Hz / for AC	V	90 ... 127
• at 60 Hz / for AC	V	90 ... 127
• for DC	V	90 ... 127
Operating range factor control supply voltage rated value / of the solenoid		
• initial value		0.85
• final value		1.1

Auxiliary circuit:

Operating current / of the auxiliary contacts		
• at AC-15 / at 24 V	A	3
• at AC-15 / at 250 V	A	3
• at DC-13		
• at 24 V	A	1
• at 125 V	A	0.22
• at 250 V	A	0.1
• maximum	A	1
Number of NC contacts		
• delayed switching		0
• non-delayed		0
Number of NO contacts		
• delayed switching		0
• non-delayed		0
Number of change-over switches		
• delayed switching		1
• non-delayed		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
Distance, to be maintained, to the ranks assembly		

• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0
Distance, to be maintained, to earthed part		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0
Distance, to be maintained, conductive elements		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0

Connections:

Design of the electrical connection		
• jumper socket		No
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for auxiliary contacts		
• solid		1x (0.2 ... 2.5 mm ²)
• finely stranded		
• with conductor end processing		0.25 ... 1.5 mm ²
• without conductor final cutting		1x (0.2 ... 1.5 mm ²)
• for AWG conductors / for auxiliary contacts		1x (24 ... 14)
Connectable conductor cross-section / for auxiliary contacts		
• single- or multi-stranded	mm ²	0.2 ... 2.5
• finely stranded		
• with conductor end processing	mm ²	0.25 ... 1.5
• without conductor final cutting	mm ²	0.2 ... 1.5
AWG number / as coded connectable conductor cross-section		
• for auxiliary contact		14 ... 24

Certificates/approvals:

Verification of suitability		CE
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Safety:

Category / according 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/industrial-controls/mall>

Cax online generator:

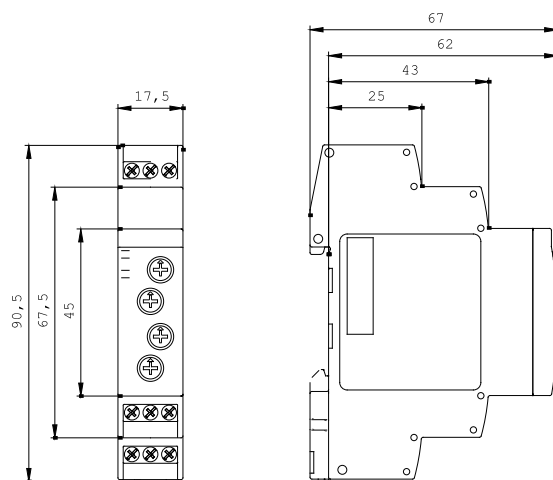
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/7PV1518-1AJ30/all>

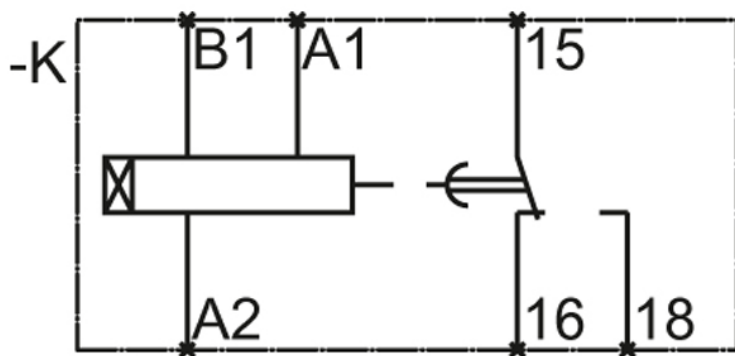
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7PV1518-1AJ30



Alle Bemessungswerte sind in Millimeter (mm) angegeben
All dimensions are in millimeters (mm)





last change:

Jun 16, 2014