



Figure similar

TIME RELAY, ELECTRONIC, DELAYED, 1
CONTACTOR (SEMI-COND.), 2-WIRE, 4 TIME SET.
RANGES 0.05...240S, 12...240V AC/DC, SCREW
TERMINAL

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
mounting position		any
Product function at the relay outputs Switchover delayed/without delay		No
Product function non-volatile		No
Product component		
• Relay output		No
• semi-conductor output		Yes
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-40 ... +85
• during transport	°C	-40 ... +85
Relative humidity		
• during operation	%	15 ... 70
EMC emitted interference acc. to IEC 61812-1		EN 61000-6-4(3)
EMI immunity acc. to IEC 61812-1		EN 61000-6-2
Conducted interference BURST acc. to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conducted interference conductor-earth SURGE acc. to IEC 61000-4-5		2 kV
Conducted interference 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
Surge voltage resistance Rated value	V	4 000
Active power loss total typical	W	2
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		K
Reference code acc. to DIN EN 81346-2		K
Category acc. to EN 954-1		none
Protection against electrical shock		finger-safe
Protection class IP		IP20
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical		100 000
Operating frequency with 3RT2 contactor maximum	1/h	5 000
Shock resistance acc. to IEC 60068-2-27		11g / 15 ms
Relative repeat accuracy	%	1
Recovery time	ms	150
Degree of pollution		3
Relative setting accuracy relating to full-scale value	%	5

Switching Function:

Switching function		
• ON-delay		Yes
• ON-delay/instantaneous contact		No
• passing make contact		No
• passing make contact/instantaneous contact		No
• OFF delay		No
• flashing asymmetrically starting with interval		No
• flashing asymmetrically starting with pulse		No
• flashing symmetrically starting with pulse		No
• flashing symmetrically starting with pulse/instantaneous		No
• flashing symmetrically starting with interval		No
• flashing symmetrically starting with interval/instantaneous		No
• star-delta circuit		No
• star-delta circuit with delay time		No
Switching function with control signal		
• additive ON delay		No
• passing break contact		No
• OFF delay		No
• pulse-shaping		No
• OFF delay/instantaneous		No

• ON-delay/OFF-delay/instantaneous	No
• passing break contact/instantaneous	No
• additive ON delay/instantaneous	No
• ON-delay/OFF-delay	No
• passing make contact	No
• passing make contact/instantaneous contact	No
• pulse delayed	No
• pulse delayed/instantaneous	No
• pulse-shaping/instantaneous	No
Switching function of interval relay with control signal	
• retrotriggerable with deactivated control signal/instantaneous contact	No
• retrotriggerable with activated control signal	No
• retrotriggerable with activated control signal/instantaneous contact	No
• retriggerable with deactivated control signal	No

Control circuit/ Control:		
Adjustable time	s	0.05 ... 240
Type of voltage of the control supply voltage		AC/DC
Control supply voltage frequency 1	Hz	50 ... 60
Control supply voltage 1		
• with AC		
— at 50 Hz	V	12 ... 240
— at 60 Hz	V	12 ... 240
• for DC	V	12 ... 240
Operating range factor control supply voltage rated value		
• with AC		
— at 50 Hz		0.85 ... 1.1
— at 60 Hz		0.85 ... 1.1
• for DC		0.85 ... 1.1

Auxiliary circuit:		
Design of the fuse link for short-circuit protection of the auxiliary switch required		fuse gL/gG: 4 A
Thermal current	A	0.6
Switching capacity current		
• with inductive load	A	0.01 ... 0.6
Short-time current resistance (I_{cw}) limited to 10 ms	A	10
Voltage drop when switched through maximum	V	3.5
Residual current maximum	mA	5
Number of NC contacts		
• delayed switching		0

• instantaneous contact		0
Number of NO contacts		
• delayed switching		1
• instantaneous contact		0
Number of CO contacts		
• delayed switching		0
• instantaneous contact		0

Installation/ mounting/ dimensions:

Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail
Width	mm	17.5
Height	mm	100
Depth	mm	90
Spacing required with side-by-side mounting		
• upwards	mm	0
• forwards	mm	0
• at the side	mm	0
• Backwards	mm	0
• downwards	mm	0
Spacing required for grounded parts		
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• forwards	mm	0
• downwards	mm	0
Spacing required for live parts		
• downwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• forwards	mm	0
• upwards	mm	0

Connections/ Terminals:

Design of the electrical connection for auxiliary and control current circuit		screw-type terminals
Type of connectable conductor cross-section		
• solid		1x (0.5 ... 4.0 mm²), 2x (0.5 ... 2.5 mm²)
• finely stranded		
— with core end processing		1x (0.5 ... 4 mm²), 2x (0.5 ... 1.5 mm²)
• for AWG conductors		
— stranded		1x (20 ... 12), 2x (20 ... 14)
— solid		1x (20 ... 12), 2x (20 ... 14)

Tightening torque

N·m

0.6 ... 0.8

Certificates/ approvals:

General Product
Approval

Declaration of
Conformity

other



EG-Konf.

[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/industrymall>

Cax online generator

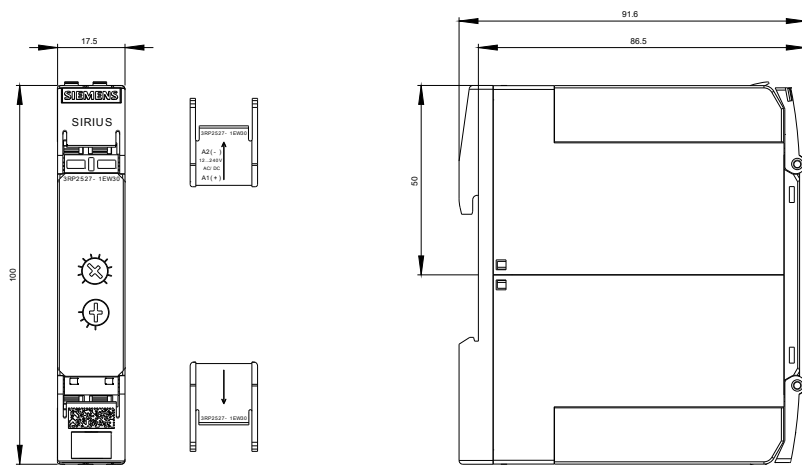
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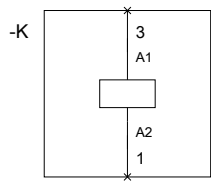
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RP25271EW30/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RP25271EW30&lang=en>





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