SIEMENS

Data sheet 3RP2511-2AW30



Timing relay, electronic ansprechverzögert 1 change-over contact, 1 time range 0.5...10 s 12-240 V AC/DC at 50/60 Hz AC with LED, Spring-type terminal (push-in)

product brand name product designation design of the product product type designation SIRIUS timing relay slow-operating 3RP25

General technical data

product component	product	component
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relay output

• semi-conductor output

product extension required remote control product extension optional remote control

power loss [W] maximum

insulation voltage for overvoltage category III according to

IEC 60664 with degree of pollution 3 rated value

test voltage for isolation test

degree of pollution

surge voltage resistance rated value

protection class IP

shock resistance according to IEC 60068-2-27

vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical

electrical endurance (operating cycles) at AC-15 at 230 V typical

adjustable time

relative setting accuracy relating to full-scale value

thermal current recovery time

reference code according to IEC 81346-2

relative repeat accuracy

influence of the surrounding temperature

power supply influence

Control circuit/ Control

Substance Prohibitance (Date)

type of voltage of the control supply voltage control supply voltage 1 at AC

• at 50 Hz

• at 60 Hz

control supply voltage frequency 1

control supply voltage 1

at DC

operating range factor control supply voltage rated

value at DC

• initial value

Yes No

No

Nο

2 W

300 V

2.5 kV

3

4 000 V

IP20

11g / 15 ms

10 ... 55 Hz / 0.35 mm

10 000 000

100 000

0.5 ... 10 s

5 %; +/-5 A

250 ms

Κ 1 %: +/-

1% in the whole temperature range to the set runtime

1% in the whole voltage range to the set runtime

09/12/2014

AC/DC

12 ... 240 V

12 ... 240 V

50 ... 60 Hz

12 ... 240 V

0.8

• full-scale value	1.1
operating range factor control supply voltage rated	
value at AC at 50 Hz	
• initial value	0.8
 full-scale value operating range factor control supply voltage rated 	1.1
value at AC at 60 Hz	
initial value	0.8
• full-scale value	1.1
inrush current peak	
• at 24 V	0.4 A
• at 240 V	5 A
duration of inrush current peak ● at 24 ∨	0.2
• at 240 V	0.3 ms 0.5 ms
Switching Function	0.5 1115
switching function	
ON-delay	Yes
ON-delay/instantaneous contact	No
passing make contact	No
passing make contact/instantaneous contact	No
OFF delay	No
switching function	
flashing symmetrically with interval	No
start/instantaneous	Ma
 flashing symmetrically with interval start flashing symmetrically with pulse 	No No
start/instantaneous	INO
 flashing symmetrically with pulse start 	No
 flashing asymmetrically with interval start 	No
 flashing asymmetrically with pulse start 	No
switching function	
 star-delta circuit with delay time 	No
star-delta circuit	No
switching function with control signal	Ma
additive ON-delay passing break contact	No No
passing break contactpassing break contact/instantaneous	No
OFF delay	No
OFF delay/instantaneous	No
pulse delayed	No
pulse delayed/instantaneous	No
pulse-shaping	No
pulse-shaping/instantaneous	No
 additive ON-delay/instantaneous 	No
ON-delay/OFF-delay/instantaneous	No
passing make contact	No
passing make contact/instantaneous contact switching function of interval relay with control signal.	No
 switching function of interval relay with control signal retrotriggerable with deactivated control 	No
signal/instantaneous contact	
 retrotriggerable with switched-on control signal 	No
 retrotriggerable with switched-on control 	No
signal/instantaneous contact	N-
retriggerable with deactivated control signal	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts	. 9002
delayed switching	0
• instantaneous contact	0
number of NO contacts	

 delayed switching 	0
instantaneous contact	0
number of CO contacts	
 delayed switching 	1
instantaneous contact	0
operational current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 250 V	3 A
operational current of auxiliary contacts at DC-13	
● at 24 V	1 A
● at 125 V	0.2 A
● at 250 V	0.1 A
operating frequency with 3RT2 contactor maximum	5 000 1/h
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (17
•	V, 5 mA)
contact rating of auxiliary contacts according to UL	R300 / B300
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	N.
at the relay outputs switchover delayed/without	No
delay	N.
non-volatile	No
Electromagnetic compatibility	
EMC emitted interference according to IEC 61812-1	ambience A (industrial sector)
EMC immunity according to IEC 61812-1	corresponds to degree of severity 3
conducted interference	
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
due to burst according to IEO 01000 4-4 due to conductor-earth surge according to IEC	2 kV
61000-4-5	Z KV
	1 kV
 due to conductor-conductor surge according to IEC 61000-4-5 	I KV
	10 V/m
field-based interference according to IEC 61000-4-3	
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Safety related data	
Safety related data protection class IP on the front according to IEC	IP20
Safety related data protection class IP on the front according to IEC 60529	IP20
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— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
 for grounded parts 	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
 for live parts 	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-40 +85 °C
 during transport 	-40 +85 °C
relative humidity during operation	10 95 %



Certificates/ approvals

General Product Approval

Confirmation









EMC

Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other







Confirmation

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RP2511-2AW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2511-2AW30

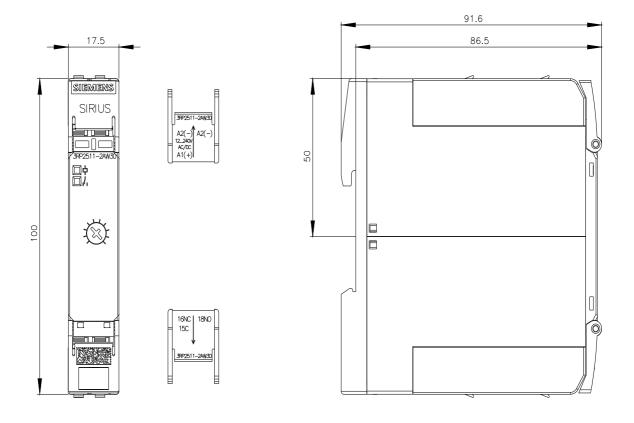
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

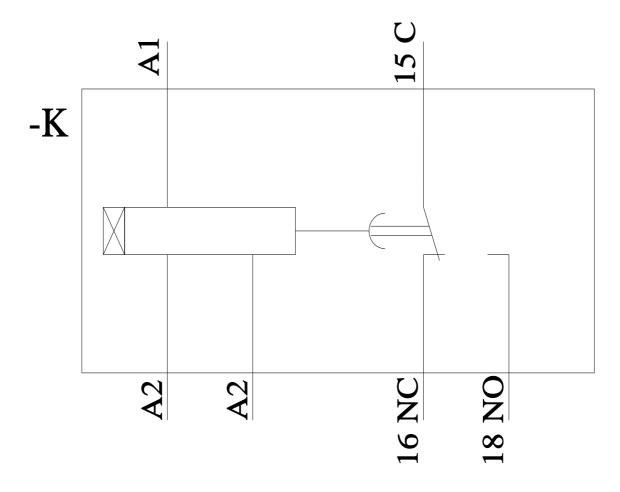
https://support.industry.siemens.com/cs/ww/en/ps/3RP2511-2AW30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2511-2AW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2511-2AW30/manual





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