SIEMENS

Data sheet 3RP2560-1SW30



Timing relay, electronic with star-delta (wye-delta) function 1-20 s, Overshoot time 30-600 s 3 NO contacts with common potential 12-240 V AC/DC at 50/60 Hz AC screw terminal 0.85 ...1.1 US

product brand name product designation design of the product product type designation SIRIUS

General technical data

product component

· 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

Substance Prohibitance (Date)

timing relay

Star-delta (wye-delta) function with overtravel function (idling)

Control circuit/ Control

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

1 ... 20 s

5 %; +/-

5 A

300 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	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
initial value	0.8
 full-scale value 	1.1
inrush current peak	
● at 24 V	0.5 A
• at 240 V	5 A
duration of inrush current peak	
• at 24 V	0.4 ms
• at 240 V	0.5 ms
Switching Function	
switching function	
 ON-delay 	No
 ON-delay/instantaneous contact 	No
 passing make contact 	No
 passing make contact/instantaneous contact 	No
OFF delay	No
switching function	
 flashing symmetrically with interval start/instantaneous 	No
	No
 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	Yes
 star-delta circuit 	No
switching function with control signal	
 additive ON-delay 	No
 passing break contact 	No
 passing 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 ON delay/OFF delay/instantaneous	No No
ON-delay/OFF-delay/instantaneous passing make contact	No No
passing make contact passing make contact/instantaneous contact	No No
 passing make contact/instantaneous contact switching function of interval relay with control signal 	No
retrotriggerable with deactivated control	No
signal/instantaneous contact	
retrotriggerable with switched-on control signal	No
 retrotriggerable with switched-on control 	No
signal/instantaneous contact	
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	· ·9····•
delayed switching	0
instantaneous contact	0
number of NO contacts	

	2
delayed switching	2
instantaneous contact number of CO contacts	1
	0
delayed switchinginstantaneous contact	0
operational current of auxiliary contacts at AC-15	U
• 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	
at the relay outputs switchover delayed/without	No
delay	Na
• 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	011/1 1
due to burst according to IEC 61000-4-4 due to conductor partly suggested as IEC.	2 kV network connection / 1 kV control connection
 due to conductor-earth surge according to IEC 61000-4-5 	2 kV
due to conductor-conductor surge according to IEC	1 kV
61000-4-5	
field-based interference according to IEC 61000-4-3	10 V/m
	4 14 /
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
electrostatic discharge according to IEC 61000-4-2 Safety related data	4 KV contact discharge / 8 KV air discharge
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
Safety related data protection class IP on the front according to IEC 60529 type of insulation	IP20 Basic insulation
Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1	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 %

General Product Approval

EMC



Certificates/ approvals



Confirmation







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=3RP2560-1SW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2560-1SW30

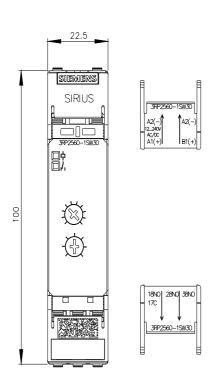
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

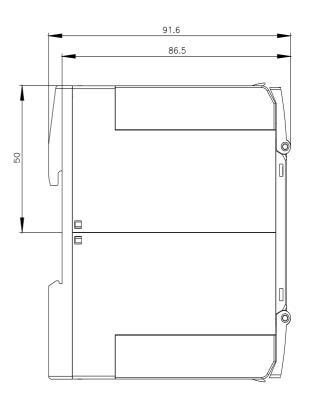
https://support.industry.siemens.com/cs/ww/en/ps/3RP2560-1SW30

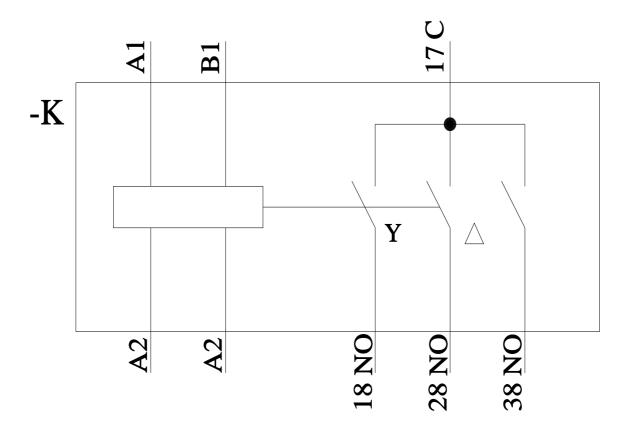
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2560-1SW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2560-1SW30/manual







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