SIEMENS

Data sheet

3RP2555-2AW30



time relay, electronic flasher relay asymmetrical 1 change-over contact 2x7 time ranges, 0.05 s-100 h 12-240 V AC/DC at 50/60 Hz AC with LED, spring-loaded terminal (push-in)

product brand name	SIRIUS
product designation	timing relay
design of the product	Clock generator, flashing, asymmetrical
product type designation	3RP25
General technical data	
product component	
 relay output 	Yes
 semi-conductor output 	No
product extension required remote control	No
product extension optional remote control	No
power loss [W] maximum	2 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V
test voltage for isolation test	2.5 kV
degree of pollution	3
surge voltage resistance rated value	4 000 V
protection class IP	IP20
shock resistance according to IEC 60068-2-27	11g / 15 ms
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
adjustable time	0.05 s 100 h
relative setting accuracy relating to full-scale value	5 %; +/-
thermal current	5 A
recovery time	250 ms
reference code according to IEC 81346-2	К
relative repeat accuracy	1 %; +/-
influence of the surrounding temperature	1% in the whole temperature range to the set runtime
power supply influence	1% in the whole voltage range to the set runtime
Substance Prohibitance (Date)	09/12/2014
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage 1 at AC	
● at 50 Hz	12 240 V
• at 60 Hz	12 240 V
control supply voltage frequency 1	50 60 Hz
control supply voltage 1	
• at DC	12 240 V
operating range factor control supply voltage rated value at	

DC	-
initial value	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	0.4 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
 flashing symmetrically with interval start 	No
 flashing symmetrically with pulse start/instantaneous 	No
 flashing symmetrically with pulse start 	No
 flashing asymmetrically with interval start 	Yes
 flashing asymmetrically with pulse start 	No
switching function	
 star-delta circuit with delay time 	No
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	No
ON-delay/OFF-delay/instantaneous	No
passing make contact	No
passing make contact/instantaneous contact	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 signal/instantaneous contact 	No
signal/instantaneous contact	No
retriggerable with deactivated control signal	
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	
delayed switching	0

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required spacing	finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded Installation/ mounting/ dimensions mounting position fastening method height	20 12 20 12 any screw and snap-on mounting onto 35 mm DIN rail 100 mm
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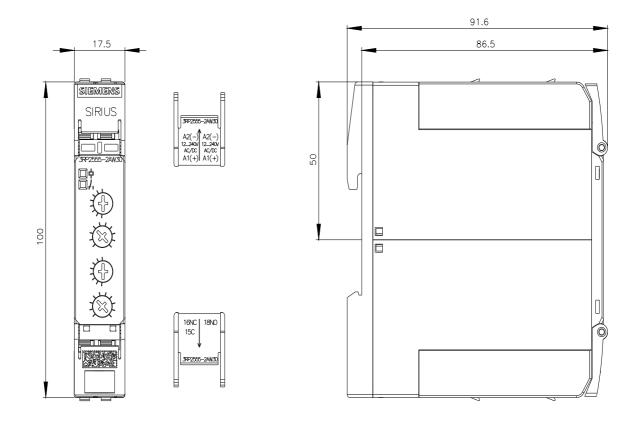
 with side-by-side 	mounting					
— forwards			0 mm			
- backwards			0 mm			
— upwards			0 mm			
— downwards			0 mm			
— at the side			0 mm			
 for grounded part 	ts					
— forwards			0 mm			
— backwards			0 mm			
— upwards			0 mm			
— at the side			0 mm			
— downwards			0 mm			
 for live parts 						
— forwards			0 mm			
- backwards			0 mm			
— upwards			0 mm			
— downwards			0 mm			
— at the side			0 mm			
Ambient conditions						
	eight above sea level max	kimum	2 000 m			
ambient temperature						
 during operation 			-25 +60 °C			
 during storage 			-20 +85 °C			
 during transport 			-40 +85 °C			
relative humidity during	operation		10 95 %			
Approvals Certificates						
				EMC	Declaration of Con-	
General Product Appr	ovai			EMC	formity	
	<u>Confirmation</u>		EHC	RCM	CE EG-Konf.	
Declaration of Con- formity	Test Certificates	Marine / Shippir	ng			
UK CA	<u>Type Test Certific-</u> ates/Test Report	B U REAU VERITAS	Lloyds Register	PRS	RINA	
Marine / Shipping		other	Railway			
RARS RARS	DNV-GL DNV-GL	<u>Confirmation</u>	Confirmation			

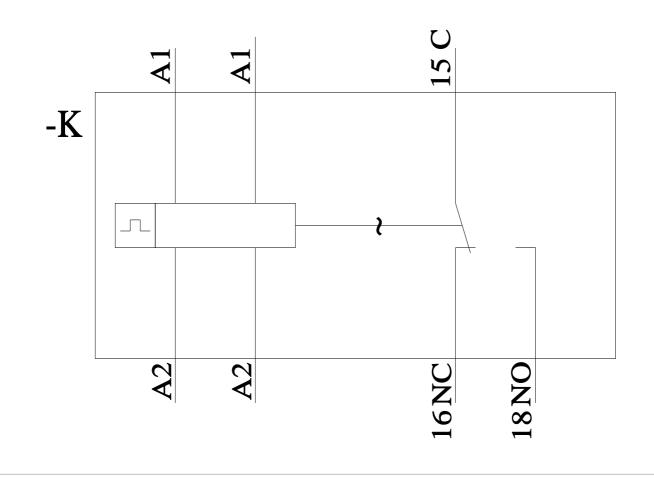
Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging com/cs/ww/en/view/109813875 https://support.industry.siemer 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=3RP2555-2AW30 Cax online generator .siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2555-2AW30 http://supp auton Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RP2555-2AW30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2555-2AW30&lang=en Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RP2555-2AW30/manual





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