SIEMENS

Data sheet

3RP2525-1BW30



Timing relay, electronic on-delay 2 change-over contacts, 7 time ranges 0.05 s...100 h 12-240 V AC/DC at 50/60 Hz AC with LED, screw terminal

product brand name	SIRIUS
product designation	timing relay
design of the product	slow-operating
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	- 1.1
• at 24 V	0.3 A
• at 240 V	5 A
duration of inrush current peak	
• at 24 V	0.3 ms
• at 240 V	0.5 ms
Switching Function	0.0 113
switching functionON-delay	Yes
-	No
ON-delay/instantaneous contact passing make contact	No
passing make contact passing make contact/instantaneous contact	
 passing make contact/instantaneous contact OFE dolay 	No
OFF delay	NO
switching function	No
flashing symmetrically with interval start/instantaneous	
flashing symmetrically with interval start	No
flashing symmetrically with pulse start/instantaneous	No
flashing symmetrically with pulse start	No
flashing asymmetrically with interval start	No
flashing asymmetrically with pulse start	No
switching function	A la
star-delta circuit with delay time	No
star-delta circuit	No
switching function with control signal	Ne
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/OFE delay/instantaneous	No
ON-delay/OFF-delay/instantaneous passing make contact	No
passing make contact	No
passing make contact/instantaneous contact	No
switching function of interval relay with control signal	No
 retrotriggerable with deactivated control signal/instantaneous contact 	No
 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	
delayed switching	0

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electrostatic discharge according to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge Safety related data		
Safety related data none category according to EN 954-1 none protection class IP on the front according to IEC 60529 IP20 type of insulation Basic insulation Connections/ Terminals Terminals product component removable terminal for auxiliary and control circuit Yes type of electrical connection for auxiliary and control circuit screw-type terminals type of electrical connectable conductor cross-sections 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) • solid 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) • for AWG cables solid 1x (20 12), 2x (20 14) • for AWG cables stranded 1x (20 12), 2x (20 14) connectable conductor cross-section 0.5 4 mm² • finely stranded with core end processing 0.5 4 mm² • solid 0.5 4 mm² • solid <td< td=""><td></td><td></td></td<>		
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Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 90 mm	for AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid solid 	1x (20 12), 2x (20 14) 0.5 4 mm ² 0.5 4 mm ² 20 12
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height 100 mm width 22.5 mm depth 90 mm	for AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid stranded stranded tightening torque design of the thread of the connection screw 	1x (20 12), 2x (20 14) 0.5 4 mm ² 0.5 4 mm ² 20 12 20 14 0.6 0.8 N·m
width 22.5 mm depth 90 mm	for AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid stranded stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions	1x (20 12), 2x (20 14) 0.5 4 mm ² 0.5 4 mm ² 20 12 20 14 0.6 0.8 N·m M3
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· · ·	for AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method	1x (20 12), 2x (20 14) 0.5 4 mm ² 0.5 4 mm ² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm DIN rail
required spacing	for AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid stranded stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height 	1x (20 12), 2x (20 14) 0.5 4 mm ² 0.5 4 mm ² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm DIN rail 100 mm
	for AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid stranded stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width 	1x (20 12), 2x (20 14) 0.5 4 mm ² 0.5 4 mm ² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm DIN rail 100 mm 22.5 mm

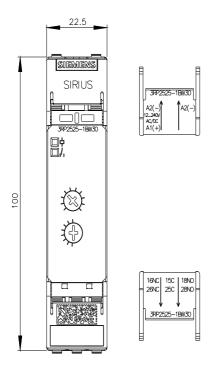
 with side-by-side forwards 					
— IOI wards			0 mm		
— backwards			0 mm		
— upwards			0 mm		
— downwards			0 mm		
— at the side			0 mm		
 for grounded par 	ts				
— forwards			0 mm		
— backwards			0 mm		
— upwards			0 mm		
— at the side			0 mm		
— downwards			0 mm		
 for live parts 					
— forwards			0 mm		
— backwards			0 mm		
— upwards			0 mm		
— downwards			0 mm		
— at the side			0 mm		
Ambient conditions					
installation altitude at he	eight above sea level max	kimum	2 000 m		
ambient temperature	0				
 during operation 			-25 +60 °C		
 during storage 			-40 +85 °C		
 during transport 			-40 +85 °C		
relative humidity during	operation		10 95 %		
Approvals Certificates					
General Product App	roval			EMC	Declaration of Con- formity
General Product Appr	roval <u>Confirmation</u>	(h	EAC	EMC	formity
General Product Appr	Confirmation		EAC	EMC RCM	
ccc		UL UL	FRE	EMC RCM	formity
ccc Declaration of Con-	Confirmation	UL Marine / Shippi	ng	EMC RCM	formity
CCC Declaration of Con- formity CCC EG-Konf.	Confirmation Test Certificates	Marine / Shippi	ng Like	EMC RCM	formity
Declaration of Con- formity	Confirmation Test Certificates	BUREAU	Llovds Register	EMC RCM	formity

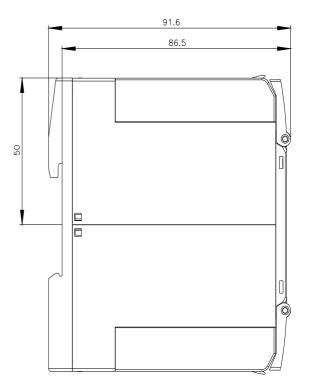
Further information

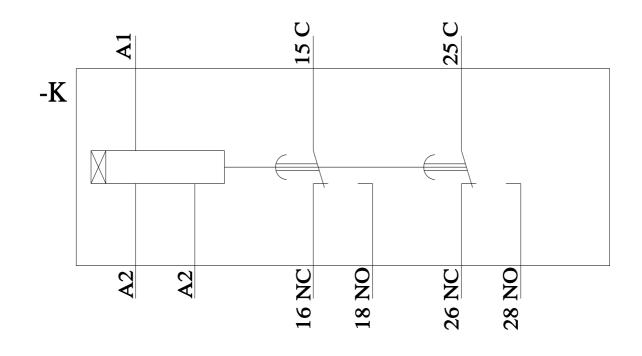
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification 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.sien 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=3RP2525-1BW30 Cax online generator iemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2525-1BW30 http://supp autor Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RP2525-1BW30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2525-1BW30&lang=en Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RP2525-1BW30/manual







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