SIEMENS

Data sheet 3RP2527-2EW30



Timing relay, electronic slow-operating 1 NO (semiconductor) 2-wire 4 time ranges $0.05...240 \text{ s}\ 12\text{-}240 \text{ V}\ AC/DC\ Spring-type terminal (push-in)}$

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 	No
• semi-conductor output	Yes
product extension required remote control	No
product extension optional remote control	No
power loss [W] maximum	2 W
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	0.05 240 s
relative setting accuracy relating to full-scale value	5 %; +/-
thermal current	0.6 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

Self-Iscale value		
AC at 50 Hz initial value initial		1.1
e initial value		
e-full-scale value powaring a repart peter control supply voltage rated value at AC at 40 Hz initial value viuli scale value 1.1 inrush current peak at 24 V at 240 V 1.1 AC at 240 V 0.01 ms at 24 V 0.04 ms Switching Function switching function - O'M-delay instantaneous contact No passing make contact passing make contact stanting symmetrically with interval startinstantaneous shaling symmetrically with interval startinstantaneous shaling symmetrically with interval start No stashing symmetrically with plue start stashing asymmetrically with plue start stashing asymmetrically with plue start No staticular currout No switching function stat-delta circuit No switching function with control signal stant-delta circuit No spassing break contact No opies delayed No opies delaye		0.0
Approximation range factor control supply voltage rated value at AC at 60 Hz		
AC at 60 Hz Initial value Initial		6.1
• full-scale value • first 24 V • at 25 V • at 26 V • ON-delay instantaneous confact • ON-delay instantaneous confact • Dessing make confact/instantaneous confact • passing make confact/instantaneous confact • passing make confact/instantaneous confact • passing make confact/instantaneous confact • fashing symmetrically with interval start instantaneous • fashing symmetrically with judges start • fashing asymmetrically with judges start • fashing asymmetrically with pulse start • No • star-delta cricuit with delay time • star-delta cricuit with delay time • star-delta cricuit with delay time • star-delta cricuit with control signal • additive ON-delay • passing break contact/instantaneous • No • passing break contact/instantaneous • No • pulse-shaping • No • OFF delay • OFF delay • ON • OFF delay No • pulse-shaping • No • pulse-shaping • No • pulse-shaping • No • pulse-shaping make contact • passing make contact • retrodigerable with with-ch-on control signal • retrodigerable with deactivated control signal • retrodigerable with work-chost control signal • retrodigerable with south-of-on control signal • retro		
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number of NC contacts • delayed switching • instantaneous contact 0	·	
 delayed switching instantaneous contact 0 	Auxiliary circuit	
• instantaneous contact 0		
	number of NC contacts	
number of NO contacts		0
	• delayed switching	
• delayed switching 1	delayed switchinginstantaneous contact	

• instantaneous contact	0		
number of CO contacts			
delayed switching	0		
instantaneous contact	0 F 000 4 /h		
operating frequency with 3RT2 contactor maximum	5 000 1/h		
switching capacity current with inductive load	0.01 0.6 A		
Inputs/ Outputs			
product function			
 at the relay outputs switchover delayed/without delay 	No		
non-volatile	No		
residual current maximum	5 mA		
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 conductor-earth surge according to IEC 61000-4-5 	2 kV		
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV		
field-based interference according to IEC 61000-4-3	10 V/m		
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge		
Safety related data			
category according to EN 954-1	none		
protection class IP on the front according to IEC 60529	IP20		
Connections/ Terminals			
product component removable terminal for auxiliary and control circuit	Yes		
type of electrical connection for auxiliary and control circuit	spring-loaded terminals (push-in)		
type of connectable conductor cross-sections			
• solid	0.5 4 mm²		
 finely stranded with core end processing 	0.5 2.5 mm²		
 finely stranded without core end processing 	0.5 4 mm²		
 for AWG cables solid 	20 12		
for AWG cables stranded	20 12		
connectable conductor cross-section			
• solid	0.5 4 mm²		
 finely stranded with core end processing 	0.5 2.5 mm²		
 finely stranded without core end processing 	0.5 4 mm²		
AWG number as coded connectable conductor cross section			
• solid	20 12		
• stranded	20 12		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw and snap-on mounting onto 35 mm DIN rail		
height	100 mm		
width	17.5 mm		
depth	90 mm		
required spacing			
with side-by-side mounting			
— 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		
dominal do			

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 %	
Approvals Certificates		
General Product Approval	EMC	Declaration of Conformity

Confirmation











Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other



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. $\label{eq:continuous}$

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

 $\underline{https://support.industry.siemens.com/cs/ww/en/view/109813875}$

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=3RP2527-2EW30

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RP2527-2EW30}$

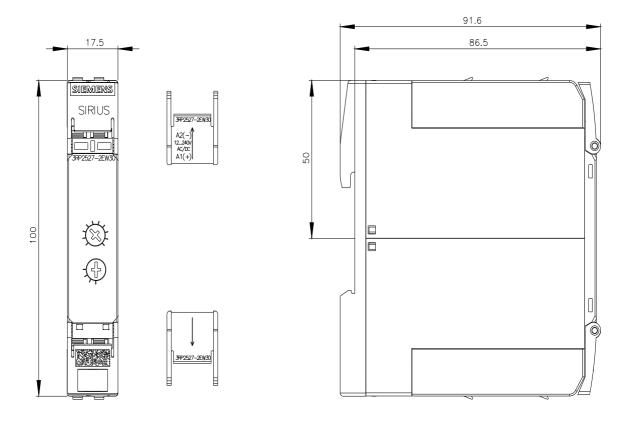
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RP2527-2EW30

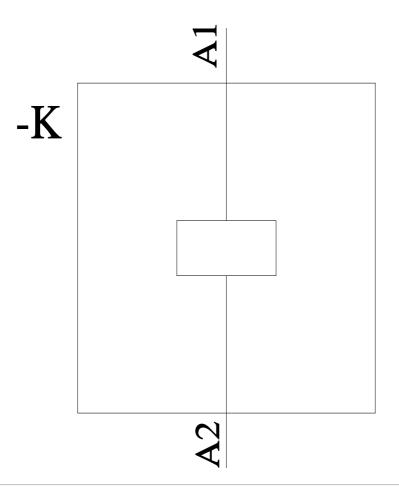
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2527-2EW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2527-2EW30/manual





last modified: 8/7/2023 🖸

