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	SIRIUS
product designation	timing relay
design of the product	Star-delta (wye-delta) function with overtravel function (idling)
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
vibration resistance according to IEC 60068-2-6	10 55 Hz / 0.35 mm
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
adjustable time	1 20 s
relative setting accuracy relating to full-scale value	5 %; +/-
thermal current	5 A
recovery time	300 ms
reference code according to IEC 81346-2	K
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
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		
Speciality range factor control supply voltage rated value at Act 45 Hz. Install volue 0.8 Install current peak 0.5 Install volue 0.8 Install volue 0.		
AC et of Ne " initial value		1.1
e file scale value AC at 00 ftz e indial value • file scale value • file value • file scale value • file scale value • file scale value • file scale value • file value • file scale value • file scale value • file value • file scale v		
Second Processing Factor control supply voltage rated value at A cal to 1x 2 Initial value 0.8	• initial value	0.8
AC at 60 fize indial value india value in	• full-scale value	1.1
• full scale value		
inrush current peak a 12 4V b 12 4V c 12 40V c 12 5 ms Switching Function switching function switching function c No-desiay instantaneous contact c No c Passing males contact c No c No-desiay instantaneous contact c No c Passing males contact c No c Islanting symmetrically with interval start instantaneous c Islanting symmetrically with pulse start instantaneous c Islanting symmetrically with pulse start c Islanting symmetrically with pulse start c Islanting symmetrically with pulse start v No c Islanting symmetrica	• initial value	0.8
• at 24 V	• full-scale value	1.1
- at 240 V duration of Inrush current peak	inrush current peak	
duration of inrush current peak al 24 V 0.5 ms Sutching function switching function ON-delay No Switching function I ashing symmetrically with interval start/instantaneous No I ashing symmetrically with interval start No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically with pulse start No I No I ashing asymmetrically	• at 24 V	0.5 A
and 24 V 0,5 ms Solitiching Function switching function - O'N-delay - O'N-delay - O'N-delay instantaneous contact - passing make contact - passing make contact in No - passing symmetrically with interval start in No - flashing symmetrically with interval start - flashing symmetrically with pulse start - star-delta circuit - s	• at 240 V	5 A
switching function • ON-I-delay function	duration of inrush current peak	
switching function ONd-delay instantaneous contact ONd-delay instantaneous contact Osassing make contact Osassing make contact No Osassing symmetrically with interval start/instantaneous Isashing symmetrically with pulse start No Isashing asymmetrically with pulse start No Isashing symmetrically with symmetrically with pulse start No Isashing symmetrically with pulse start No Isashing symmetrically with symmetrically symmetrically symmetrically symmetrically symmetrically symmetrically symmetrically with symmet	• at 24 V	0.4 ms
switching function ON-delay/instantaneous contact No ON-delay/instantaneous contact Passing make contact/instantaneous contact OFF delay Switching function Rashing gymmetrically with interval start/instantaneous Rashing symmetrically with interval start instantaneous Rashing symmetrically with pulse start instantaneous Rashing symmetrically with pulse start in instantaneous Rashing symmetrically with interval start in instantaneous Rashing symmetrically with pulse start in instantaneous Rashing symmetrically with interval start in instantaneous Rashing symmetrically with pulse start instantaneous Rashing symmetrically with pulse start in instantaneous instant	• at 240 V	0.5 ms
ON-delay/instantaneous contact No ON-delay/instantaneous contact Opassing make contact Opassing make contact OFF delay switching function Isashing symmetrically with interval start/instantaneous Isashing symmetrically with pulse start Isashing	Switching Function	
ON-delay/instantaneous contact passing make contact No passing make contact No OFF delay **No **Instruction **In	switching function	
ON-delay/instantaneous contact passing make contact/instantaneous contact OFF delay No Switching function Insting symmetrically with interval start instantaneous Insting symmetrically with interval start No Insting symmetrically with pulse startinstantaneous Insting symmetrically with pulse startinstantaneous Insting symmetrically with pulse start No Insting symmetrically with pulse start Institute Symmetrically with pulse start Institute Symmetrically symmetrically with pulse start Institute Symmetrically symmetrically with pulse start Institute Symmetrically symmetrically symmetrically symmetrically	-	No
passing make contact passing make contact passing make contactinstantaneous contact passing make contactinstantaneous contact passing make contactinstantaneous passing make contactinstantaneous passing make contact passing make contact passing make contact passing make contact passing before passing break contact passing break	•	No
e passing make contact/instantaneous contact OFF delay Switching function a flashing symmetrically with interval start instantaneous a flashing symmetrically with pulse start/instantaneous a flashing symmetrically with pulse start Bashing asymmetrically with control signal Bashing bashing bashing Bashing Bashing asymmetrically with control signal Bashing asymmetrically with switched-on control signal Bashing asymmetrically wi	•	No
* OFF delay switching function * flashing symmetrically with interval start * flashing symmetrically with pulse start instantaneous * flashing symmetrically with pulse start instantaneous * flashing symmetrically with pulse start * No * flashing symmetrically with pulse start * No * flashing asymmetrically with pulse start * No * star-delta circuit with delay time * star-delta circuit with delay time * star-delta circuit with denotrol signal * additive ON-delay * additive ON-delay * Passing break contact * No * passing break contact/instantaneous * OFF delay * OFF delay * OFF delay * OFF delay/instantaneous * Pulse delayed * pulse delayed * pulse delayed * pulse-shaping/instantaneous * Pulse-shaping/instantaneous * Pulse-shaping/instantaneous * ON-delay/instantaneous * ON-delay/instantaneous * ON-delay/instantaneous * ON-delay/instantaneous * ON-delay/instantaneous * Passing make contact * No * passing make contact * retortingerable with deactivated control signal * retortingerable with suched-on control signal * retortingerable with suched-on control signal * retortingerable with deactivated control signal * retortingerab		
switching function ilashing symmetrically with interval start/instantaneous ilashing symmetrically with pulse start ilashing asymmetrically with pulse start		No
flashing symmetrically with interval start No	·	
flashing symmetrically with interval start iflashing symmetrically with pulse start in No iflashing asymmetrically with pulse start in No iflashing asymmetrically with nuterval start in No iflashing asymmetrically with pulse start in No iflashing asymmetrically with pulse start in No switching function	-	No
flashing symmetrically with pulse start		No
flashing asymmetrically with pulse start No flashing asymmetrically with pulse start No flashing asymmetrically with pulse start No switching function star-delta circuit with delay time Yes star-delta circuit with control signal additive ON-delay No passing function with control signal additive ON-delay No passing break contact No passing break contact/instantaneous No OFF delay No OFF delay No OFF delay No outse delayed/instantaneous No pulse delayed/instantaneous No pulse-shaping/instantaneous No pulse-shaping/instantaneous No outse-shaping/instantaneous No outse-shaping/instantaneous No passing make contact No passing make contact/instantaneous contact No passing make contact/instantaneous contact No spassing function of interval relay with control signal retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal No retrotriggerable with		No
flashing asymmetrically with pulse start flashing asymmetrically with pulse start switching function stard-delta circuit with delay time stard-delta circuit No switching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay OFF delay pulse delayed pulse shaping pulse-shaping No additive ON-delay/instantaneous pulse-shaping pulse-shaping No No signifinatantaneous No pulse-shaping		No
		No
switching function • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit with control signal sadditive ON-delay • passing break contact • passing break contact • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay/instantaneous • pulse delayed • pulse delayed • pulse delayed • pulse delayed • pulse-shaping • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • passing make contact • passing make contact • passing make contact • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control •		No
star-delta circuit with delay time star-delta circuit switching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay/instantaneous pulse delayed pulse-shaping pulse-shaping pulse-shaping pulse-shaping instantaneous ON-delay/instantaneous No oNo pulse-shaping No pulse-shaping No sadditive ON-delay/instantaneous No oN-delay/OFF-delay/instantaneous No oN-delay/OFF-delay/instantaneous No oN-delay/OFF-delay/instantaneous No oN-delay/OFF-delay/instantaneous No oN-delay/OFF-delay/instantaneous No on-delay/OFF-delay/instantaneous No ossing make contact No switching function of interval relay with control signal eretrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal eretrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with for short-circuit protection of the auxiliary fuse gL/gG: 4 A SMSNO2 number of NC contacts edalayed switching O		
star-delta circuit switching function with control signal additive ON-delay passing break contact passing break contact oFF delay OFF delay OFF delay/instantaneous pulse delayed/instantaneous pulse delayed/instantaneous pulse delayed/instantaneous pulse-shaping pulse-shaping pulse-shaping No pulse-shaping No pulse-shaping No o-ON-delay/OFF-delay/instantaneous No o-ON-delay/OFF-delay/instantaneous No passing make contact No passing make contact No passing make contact/instantaneous contact Possitching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal/instantaneous contact retrioggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts delayed switching O	_	Yes
switching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay pulse delayed pulse delayed pulse-shaping pulse-shaping pulse-shaping/instantaneous No ON-delay/OFF-delay/instantaneous No ON-delay/OFF-delay/instantaneous No on-delay/OFF-delay/instantaneous No sadditive ON-delay/instantaneous No ON-delay/OFF-delay/instantaneous No opassing make contact passing make contact passing make contact/instantaneous contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal fertrotriggerable with switched-on control signal retrotriggerable with switched-on control signal Ro 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 Auxiliary circuit material of switching contacts delayed switching O	·	No
additive ON-delay passing break contact passing break contact/instantaneous OFF delay No pulse delayed No pulse delayed No pulse shaping No pulse-shaping No ON-delay/instantaneous No ON-delay/instantaneous No ON-delay/OFF-delay/instantaneous No ON-delay/OFF-delay/instantaneous No passing make contact No passing make contact passing make contact No switching function of interval relay with control signal of retrotriggerable with deactivated control signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous contact oretrotriggerable with deactivated control signal/instantaneous contact oretriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts of elayed switching O		
passing break contact/instantaneous passing break contact/instantaneous OFF delay OFF delay OFF delay No pulse delayed pulse delayed/instantaneous pulse-shaping No pulse-shaping/instantaneous No pulse-shaping/instantaneous No pulse-shaping/instantaneous No ON-delay/instantaneous No ON-delay/instantaneous No ON-delay/instantaneous No ON-delay/instantaneous No passing make contact No switching function of interval relay with control signal eretrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal No eretrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2 number of NC contacts edelayed switching O		No
 passing break contact/instantaneous 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 passing make contact/instantaneous contact passing function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control so retrotriggerable with switched control signal for setriggerable with switched control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts delayed switching 0 	•	No
OFF delay OFF delay/instantaneous OFF delay/instantaneous pulse delayed No pulse delayed/instantaneous No pulse-shaping No pulse-shaping/instantaneous Additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous ON-delay/OFF-delay/instantaneous No passing make contact No passing make contact No witching function of interval relay with control signal Pertortiggerable with deactivated control signal/instantaneous contact Pretrotriggerable with switched-on control signal Pertortriggerable with switched-on control signal/instantaneous contact Pretrotriggerable with deactivated control signal Pertortriggerable with switched-on control Signal/instantaneous contact Pretriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts delayed switching O		No
OFF delay/instantaneous pulse delayed pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous no pulse-shaping/instantaneous no dadditive ON-delay/instantaneous No ON-delay/oFF-delay/instantaneous passing make contact passing make contact/instantaneous contact no switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal No retrotriggerable with switched-on control 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 Auxiliary circuit material of switching contacts delayed switching 0		
 pulse delayed pulse delayed/instantaneous No pulse-shaping No pulse-shaping/instantaneous No additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous No ON-delay/OFF-delay/instantaneous No passing make contact passing make contact/instantaneous contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal No signal/instantaneous contact retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxilliary switch required Auxilliary circuit material of switching contacts delayed switching 0 	•	
pulse delayed/instantaneous pulse-shaping pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous ON-delay/OFF-delay/instantaneous passing make contact passing make contact passing make contact passing function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxilliary circuit material of switching contacts delayed switching O	•	
 pulse-shaping 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 signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with switched-on control 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 Auxiliary circuit material of switching contacts AgSnO2 number of NC contacts delayed switching 0 		
pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact No switching function of interval relay with control signal pretrotriggerable with deactivated control pretrotriggerable with switched-on control signal pretrotriggerable with switched-on control pretrotriggerable with switched-on control pretrotriggerable with deactivated control signal pretrotriggerable with deactivated control protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts passing additional switching AgSnO2 number of NC contacts passing make contact No No Short-circuit protection AgSnO2 number of NC contacts passing make contact No No No Short-circuit protection of the auxiliary switching No O O O O O O O O O O O O O O O O O O		
additive ON-delay/instantaneous ON-delay/Instantaneous No ON-delay/Instantaneous No passing make contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retriggerable with deactivated control 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 Auxiliary circuit material of switching contacts edelayed switching 0		
ON-delay/OFF-delay/instantaneous passing make contact passing make contact/instantaneous contact No switching function of interval relay with control signal • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal/instantaneous contact • retriggerable with switched-on control 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 Auxiliary circuit material of switching contacts • delayed switching 0		
 passing make contact passing make contact/instantaneous contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal instantaneous contact retriggerable with deactivated control signal retriggerable with deactivated control signal retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts delayed switching 0 	•	
passing make contact/instantaneous contact switching function of interval relay with control signal		
switching function of interval relay with control signal • retrotriggerable with deactivated control signal No • retrotriggerable with switched-on control signal No • retrotriggerable with switched-on control signal No • retrotriggerable with switched-on control 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 Auxiliary circuit material of switching contacts AgSnO2 number of NC contacts • delayed switching 0		
 retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal No retrotriggerable with switched-on control 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 Auxiliary circuit material of switching contacts AgSnO2 number of NC contacts delayed switching 0 		
signal/instantaneous contact • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control 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 Auxiliary circuit material of switching contacts • delayed switching 0		No
 retrotriggerable with switched-on control signal/instantaneous contact retriggerable with deactivated control signal retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2 number of NC contacts delayed switching 0 		
signal/instantaneous contact • retriggerable with deactivated control signal Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts • delayed switching 0	 retrotriggerable with switched-on control signal 	No
● retriggerable with deactivated control signal Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts • delayed switching No fuse gL/gG: 4 A SSnO2 AgSnO2 number of NC contacts • delayed switching 0		No
Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts number of NC contacts elelayed switching 0	<u> </u>	
design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts number of NC contacts • delayed switching 0		No
switch required Auxiliary circuit material of switching contacts number of NC contacts • delayed switching 0	Short-circuit protection	
Auxiliary circuit material of switching contacts number of NC contacts • delayed switching 0	design of the fuse link for short-circuit protection of the auxiliary	fuse gL/gG: 4 A
material of switching contacts number of NC contacts ● delayed switching AgSnO2 0		
number of NC contacts ● delayed switching 0		
• delayed switching 0		AgSnO2
• instantaneous contact 0	-	
	• instantaneous contact	0

number of NO contacts	
delayed switching	2
instantaneous contact	1
number of CO contacts	
 delayed switching 	0
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	
at the relay outputs switchover delayed/without delay	No
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 conductor-earth surge according to IEC 61000-4-5 	2 kV
due to conductor-conductor surge according to IEC	1 kV
61000-4-5	40.7//
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	IDOO
protection class IP on the front according to IEC 60529	IP20
type of insulation	Basic insulation
category according to EN 954-1	none
Connections/ Terminals	N/
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
• finely stranded with core end processing	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	
• solid	0.5 4 mm²
• finely stranded with core end processing	0.5 4 mm²
AWG number as coded connectable conductor cross section	
• solid	20 12
• stranded	20 14
tightening torque	0.6 0.8 N·m
design of the thread of the connection screw	M3
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
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	
 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		

(1)



Confirmation







EMC

Declaration of Conformity

General Product Approval

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.

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

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

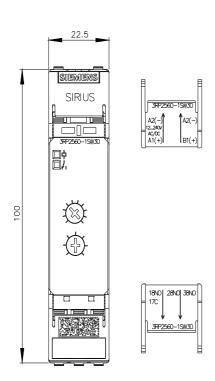
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2560-1SW30

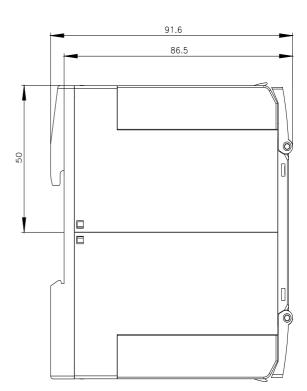
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

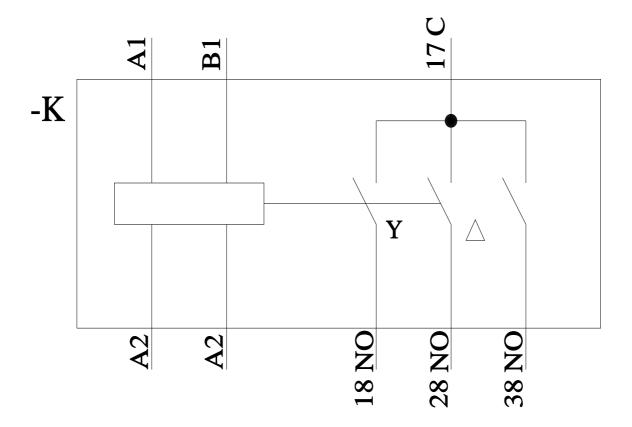
https://support.industry.siemens.com/cs/ww/en/ps/3RP2560-1SW30

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2560-1SW30\&lang=en}}$







last modified: 11/21/2022 🖸