SIEMENS

Data sheet 3RP2576-1NW30



Timing relay, electronic with star-delta (wye-delta) function 1 NO delayed 1 NO instantaneous 1 time range, 3...60 s 12-240 V AC/DC at 50/60 Hz AC with LED, Screw terminal

product type designation design of the product product type designation General technical data product component elegan (a legan designation) semi-conductor output elegan (b) output elegan (c) output elegan	product brand name	SIRIUS	
September Sept	product designation	timing relay	
product component • relay output • semi-conductor output • semi-conductor output product extension required remote control product extension optional remote control No product extension optional remote control product extension optional remote control No insulation voltage for vervorbilage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-7 vibration resistance acc. to IEC 60068-2-7 recovice iife (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value thermal current for A recovery time reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 fractor control supply voltage rated value • control supply voltage fractor control supply voltage rated value at DC operating range factor control supply voltage rated value at DC operating range factor control supply voltage rated value at DC	design of the product	Star-delta (wye-delta) function	
e relay output • relay output • semi-conductor output product extension required remote control product extension optional remote control product extension optional remote control 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 acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value thermal current so A recovery time reference code acc. to IEC 81346-2 relative repeat accuracy type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz control supply voltage 1 at DC operating range factor control supply voltage rated value at DC volume and voltage resistance control supply voltage rated value at DC version voltage of the control supply voltage rated value at DC version voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC	product type designation	3RP25	
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product extension required remote control product extension optional remote control 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 3 surge voltage resistance rated value 1 P20 shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm enchanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage at 60 Hz at 60 Hz control supply voltage 1 at AC e at 50 Hz e at 60 Hz control supply voltage frequency 1 e control supply voltage factor control supply voltage rated value at DC operating range factor control supply voltage rated value at DC operating range factor control supply voltage rated value at DC	relay output	Yes	
product extension optional remote control 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 4 000 V protection class IP IP20 shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage at 60 Hz e at 50 Hz e control supply voltage frequency 1 e control supply voltage frequency 1 e control supply voltage factor control supply voltage rated value at DC operating range factor control supply voltage rated value at DC operating range factor control supply voltage rated value at DC	 semi-conductor output 	No	
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test voltage for isolation test degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current frecovery time reference code acc. to IEC 81346-2 relative repeat accuracy type of voltage of the control supply voltage at 50 Hz at 50 Hz control supply voltage frequency 1 control supply voltage frequency 1 coperating range factor control supply voltage rated value at DC voltage of the control supply voltage rated value at DC	product extension optional remote control	No	
degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 3 60 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 k relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage 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		300 V	
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protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 3 60 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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	degree of pollution	3	
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vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 relative repeat accuracy type of voltage of the control supply voltage control supply voltage 1 at AC at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC 100 000 100	protection class IP	IP20	
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recovery time reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 control supply voltage 1 at DC control supply voltage 1 at DC perating range factor control supply voltage rated value at DC	relative setting accuracy relating to full-scale value	5 %	
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 at 50 Hz at 60 Hz 2 240 V control supply voltage frequency 1 control supply voltage 1 at DC perating range factor control supply voltage rated value at DC 	type of voltage of the control supply voltage	AC/DC	
 at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC 	control supply voltage 1 at AC		
control supply voltage frequency 1 • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC 50 60 Hz 12 240 V	● at 50 Hz	12 240 V	
• control supply voltage 1 at DC operating range factor control supply voltage rated value at DC 12 240 V	● at 60 Hz	12 240 V	
operating range factor control supply voltage rated value at DC	control supply voltage frequency 1	50 60 Hz	
value at DC	 control supply voltage 1 at DC 	12 240 V	
• initial value 0.8	operating range factor control supply voltage rated		
***	• initial value	0.8	
• full-scale value 1.1	• full-scale value	1.1	

operating range factor control supply voltage rated value at AC at 50 fbz initial value initial value Operating range factor control supply voltage rated value at AC at 60 fbz initial value OB OB Initial value OB OB Initial value OB		
Interest value operating range factor control supply voltage rated value at AC at 69 ftz Intrial value Intrial v		
operating range factor control supply voltage rated value at AC at 56 hz initial value	initial value	0.8
value at AC at 69 Hz • Initial value • at 24 V • at 240 V • but at 60 de la value • at 24 V • at 240 V • at 240 V • but at 60 de la value • at 240 V • at 240 V • but at 60 de la value • o'No delay instantaneous contact • passing make contact • passing make contact • passing make contact • passing make contact • at 61 de la value • at 64 de la value • flashing symmetrically with interval start • flashing asymmetrically with pulse • atar-delta circuit • passing break contact • flashing asymmetrically with pulse • flashing asymmetrically	full-scale value	1.1
• full-scale value • full-scale value • att 24 V • att 240 V • att 240 V • att 240 V • att 240 V • ott 240 V • ot		
inrush current peak at 24 V at 24 OV duration of inrush current peak at 24 V at 24 OV at 25 ON at 24 OV at 2	initial value	0.8
at 24 V at 24 V duration of inrush current peak at 24 V at 24 V os witching Function switching function ON-dealy instantaneous contact passing make contact/instantaneous switching function • Instahing symmetrically with interval start • Instahing symmetrically with interval start • Instahing symmetrically with pulse start/instantaneous • Instahing symmetrically with pulse start • Instahing symmetrically with pulse start • Instahing symmetrically with interval start • Instahing symmetrically with pulse start • Instahing symmetrically with interval start • Instahing symmetrically with pulse start • Instahing symmetrically with interval start • Instance in symmetrically with pulse start • Instance in symmetrically with interval start • Instance in symmetrically with pulse start • Instance in symmetrically with interval start • Instance in symmetrically with pulse start • Instance in symmetrically with interval start	• full-scale value	1.1
at 240 V at 240 V at 240 V beta 240 V control of inrush current peak at 240 V control of inrush current peak beta 240 V control of inrush current peak control of inrush current control of in	inrush current peak	
duration of inrush current peak • at 24 V • at 240 V Switching Function **ON-delay instantaneous contact • DA-delay instantaneous contact • passing make contact • passing symmetrically with interval start • fashing symmetrically with pulse start • fashing asymmetrically with pulse start • passing break contact • passing break contact • passing break contact • passing make contact • passing make contact • passing make contact • retoring grable with deactivated control signal •	• at 24 V	0.5 A
at 24 V at 240 V 5.5 ms Switching Function switching function O'N-delay O'N delay/instantaneous contact Passing make contact/instantaneous contact O'P delay No passing make contact/instantaneous contact O'P delay No switching gunction	• at 240 V	5 A
switching function *ON-delay	duration of inrush current peak	
Switching Function switching function ON-delay No ON-delay No ON-delay instantaneous contact No Opassing make contact No Opassing make contact No Opassing make contact No Operating make contact No OPF delay No switching function Ilashing symmetrically with interval start No Ilashing symmetrically with interval start No Ilashing symmetrically with pulse start No Il	● at 24 V	0.4 ms
switching function ON-delay/instantaneous contact No ON-delay/instantaneous contact Passing make contact/instantaneous contact OFF delay No Switching function Institute symmetrically with interval start Institute symmetrically with pulse start Institute symmetrically with p	• at 240 V	0.5 ms
ON-delay/instantaneous contact On-delay/instantaneous contact passing make contact/instantaneous contact 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/instantaneous • flashing symmetrically with pulse start • flashing symmetrically with pulse start • flashing symmetrically with pulse start • flashing asymmetrically with pulse start • flashing pasymmetrically with pulse start • flashing pasymmetrically with pulse start • flashing pasymmetrically with pulse start • flashing asymmetrically with control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-	Switching Function	
ON-delay/instantaneous contact passing make contact/instantaneous contact OFF delay switching function - (fishing symmetrically with interval start - (fishing symmetrically with interval start/instantaneous - (fishing symmetrically with pulse start - (fishing asymmetrically with control signal - (fishing function with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fishing function of interval relay with control signal - (fish	switching function	
passing make contact passing make contact passing make contact/instantaneous contact profession passing make contact/instantaneous contact profession passing make contact/instantaneous passing make contact/instantaneous passing make contact/instantaneous passing make contact/instantaneous passing make contact passing asymmetrically with pulse passing passymmetrically with pulse start passing asymmetrically with pulse start passing passing asymmetrically with pulse start passing break contact passing passing preak contact passing break contact passing break contact passing break contact/instantaneous passing break contact/instantaneous pulse delayed pulse de	 ON-delay 	No
passing make contact/instantaneous contact OFF delay witching function flashing symmetrically with interval start flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start flashing asymmetrically with ontrol signal flashing asymmetrically asymmetrically start flashing asymmetrically asymmetrically asymmetrically start flashing asymmetrically asymmetrically start flashing asymmetrically asymmetrically start flashing asymme	 ON-delay/instantaneous contact 	No
Switching function • flashing symmetrically with interval start • flashing symmetrically with pulse • flashing asymmetrically with • flashing asymmetrically with pulse • flashing asymmetrically with • flashing asymmetrically w	 passing make contact 	No
switching function Isashing symmetrically with interval start to a start/instantaneous Isashing symmetrically with pulse start to a start/instantaneous Isashing symmetrically with pulse start to a start/instantaneous Isashing symmetrically with pulse start to a start/instantaneous Isashing asymmetrically with pulse start to a start to	 passing make contact/instantaneous contact 	No
e flashing symmetrically with interval start flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start flashing asymmetrically with control signal flashing asymmetrically with control signal flashing asymmetrically with control signal flashing asymmetrically with deactivated control flashing asymmetrically with asymmetrically with asymmetri	OFF delay	No
start/instantaneous • flashing symmetrically with interval start • flashing symmetrically with pulse start • flashing symmetrically with pulse start • flashing symmetrically with pulse start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start • stard-elta circui with delay time • stard-elta circui with delay time • stard-elta circui with delay time • stard-elta circui with control signal • additive ON-delay • passing break contact • passing break contact • passing break contact • passing break contact • pulse delayed • OFF delay/instantaneous • pulse delayed • pulse delayed • pulse shaping • pulse-shaping/instantaneous • additive ON-delay/instantaneous • additive ON-delay/instantaneous • ON-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • passing make contact • retrotriggerable with deactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotrigerable with switched-on control signal	switching function	
flashing symmetrically with pulse start instantaneous flashing symmetrically with interval start		No
start/instantaneous • flashing symmetrically with pulse start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start No switching function • star-delta circuit Yes switching function with control signal • additive ON-delay No • passing break contact passing break contact/instantaneous • OFF delay • OFF delay/instantaneous • pulse delayed No • pulse delayed/instantaneous • pulse delayed/instantaneous • pulse-shaping • pulse-shaping/instantaneous • ON-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • on-delay/OFF-delay/instantaneous • on-delay/OFF-delay/instantaneous • on-delay/OFF-delay/instantaneous • pulse-shaping No • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal signal/instantaneous contact • retrotriggerable with switched-on control signal	 flashing symmetrically with interval start 	No
• flashing asymmetrically with interval start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start switching function • star-delta circuit with delay time • star-delta circuit • star-delta circuit * Yes switching function with control signal • additive ON-delay • passing break contact • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay • pulse delayed/instantaneous • pulse delayed/instantaneous • pulse-shaping • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • pulse-shaping/instantaneous • additive ON-delay/Instantaneous • ON-delay/OFF-delay/instantaneous • Don-delay/OFF-delay/instantaneous • passing make contact • passing make contact • passing make contact • passing make contact • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with feactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with deactivated control signal •		No
• flashing asymmetrically with pulse start switching function • star-delta circuit with delay time • star-delta circuit • star-delta circuit switching function with control signal • additive ON-delay • passing break contact • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay/instantaneous • pulse delayed • pulse delayed • pulse-shaping • pulse-shaping • pulse-shaping/instantaneous • ON-delay/OFF-delay/instantaneous • DN-delay/OFF-delay/instantaneous • passing make contact • passing make contact • passing make contact • retrofriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal/instantaneous contact • retriggerable with deactivated control signal • retrotriggerable with switched-on control signal/instantaneous contact • retriggerable with for short-circuit protection of the auxiliary switch required Auxilliary circuit material of switching contacts No Short-circuit material of switching contacts AgSnO2	 flashing symmetrically with pulse start 	No
switching function • 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 • OFF delay • pulse delayed/instantaneous • pulse delayed/instantaneous • pulse-shaping • pulse-shaping • pulse-shaping/instantaneous • ON-delay/instantaneous • oNo • passing make contact/instantaneous • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSn02	 flashing asymmetrically with interval start 	No
star-delta circuit with delay time star-delta circuit Yes switching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay No optical delayed pulse delayed pulse delayed/instantaneous pulse shaping pulse-shaping No pulse-shaping/instantaneous volon-delay/instantaneous volon-delay/inst	flashing asymmetrically with pulse start	No
star-delta circuit switching function with control signal additive ON-delay No passing break contact No OFF delay No OFF delay No OFF delay No OFF delay No pulse delayed No pulse delayed/instantaneous No pulse shaping No pulse-shaping/instantaneous No additive ON-delay/instantaneous No o Sassing make contact No passing make contact No switching function of interval relay with control signal	switching function	
switching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay OFF delay/instantaneous pulse delayed pulse delayed/instantaneous pulse-shaping pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous ON-delay/OFF-delay/instantaneous on-delay/OFF-delay/instantaneous interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal	 star-delta circuit with delay time 	No
 additive ON-delay passing break contact No passing break contact/instantaneous OFF delay No OFF delay (No OFF delay/instantaneous pulse delayed (Popular delayed) pulse delayed/instantaneous pulse-shaping (Popular delayed) pulse-shaping/instantaneous pulse-shaping/instantaneous No pulse-shaping/instantaneous No ON-delay/OFF-delay/instantaneous No passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact retrotriggerable with deactivated control signal (Petrotriggerable with switched-on control signal) retrotriggerable with switched-on control signal (Petrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with switched-on control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control signal (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated control (Petrotriggerable with deactivated control signal) retrotriggerable with deactivated (Petrotriggerable with deactivated (P		Yes
 passing break contact passing break contact/instantaneous No OFF delay No OFF delay/instantaneous pulse delayed pulse delayed/instantaneous pulse delayed/instantaneous 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 make contact/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal 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 Auxiliary circuit material of switching contacts AgSnO2 	switching function with control signal	
passing break contact/instantaneous OFF delay OFF delay/ OFF delay/instantaneous No pulse delayed No pulse delayed/instantaneous No pulse-shaping 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 No switching function of interval relay with control signal 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 deactivated control signal retrotriggerable with switched-on control signal/instantaneous contact Ro Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2	-	No
OFF delay OFF delay/instantaneous OFF delay/instantan		No
OFF delay/instantaneous pulse delayed pulse delayed pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous pulse-shaping/instantaneous pulse-shaping/instantaneous oditive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous on-delay/off-delay/in	 passing break contact/instantaneous 	No
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design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2		No No
auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2		
material of switching contacts AgSnO2	auxiliary switch required	fuse gL/gG: 4 A
	Auxiliary circuit	
number of NC contacts delayed switching 0	material of switching contacts	AgSnO2
, ,	number of NC contacts delayed switching	0

number of NO contacts delayed switching	1
number of CO contacts delayed switching	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
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
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
 at the relay outputs switchover delayed/without 	No
delay	
non-volatile	No
Electromagnetic compatibility	
EMC immunity acc. to IEC 61812-1	EN 61000-6-2
conducted interference	
due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV
 due to conductor-conductor surge acc. to IEC 	1 kV
61000-4-5	
field-based interference acc. to IEC 61000-4-3	10 V/m
electrostatic discharge acc. to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Safety related data	
touch protection against electrical shock	finger-safe
type of insulation	Basic insulation
category acc. to EN 954-1	none
Connections/ Terminals	
product function 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 mm ²), 2x (0.5 1.5 mm ²)
at AWG cables solid	1x (20 12), 2x (20 14)
 at AWG cables stranded 	1x (20 12), 2x (20 14)
connectable conductor cross-section solid	0.5 4 mm²
connectable conductor cross-section finely stranded with core end processing	0.5 4 mm ²
AWG number as coded connectable conductor cross section solid	20 12
AWG number as coded connectable conductor	20 14
cross section stranded	
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 standard mounting 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
 ambient temperature during storage 	-40 +85 °C
ambient temperature during transport	-40 +85 °C
relative humidity during operation	10 95 %
Certificates/ approvals	



General Product Approval









EMC

Miscellaneous

Declaration of

Conformity

Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test
Certificates/Test
Report









Marine / Shipping

other





Confirmation

Further information

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=3RP2576-1NW30

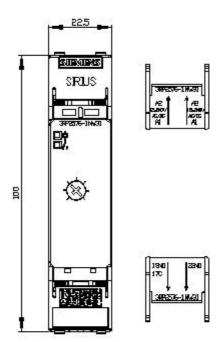
Cax online generator

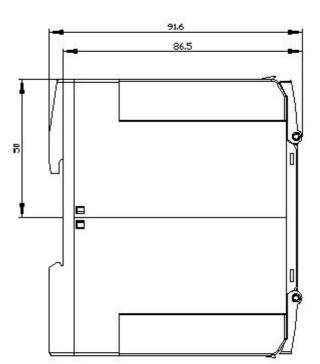
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2576-1NW30

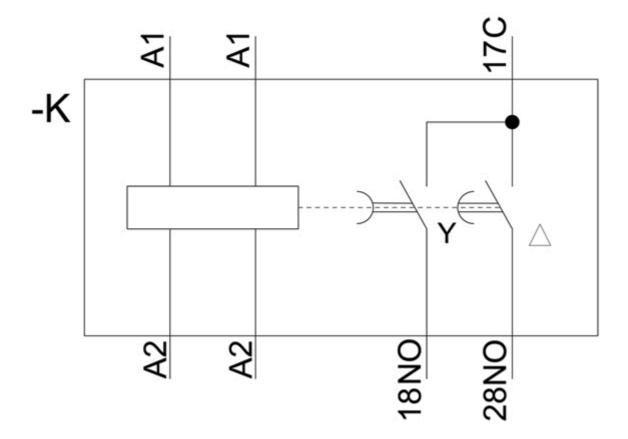
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RP2576-1NW30

Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RP2576-1NW30/manual







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