## **SIEMENS**

Data sheet 3RP2574-1NW30



Timing relay, electronic with star-delta (wye-delta) function 1 NO delayed 1 NO instantaneous 1 time range, 1...20 s 12-240 V AC/DC at 50/60 Hz AC screw terminal

product brand name	SIRIUS	
product designation	timing relay	
design of the product	Star-delta (wye-delta) function	
product type designation	3RP25	
General technical data		
product component		
<ul><li>relay output</li></ul>	Yes	
<ul> <li>semi-conductor output</li> </ul>	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	
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	250 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	
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5	
Weight	0.155 kg	
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	

Process   Proc		
Mill value   0.8   1.5		
. Milesales value		0.8
AC at 50 Hz  Initial value  Initial		1.1
	initial value	0.8
AG at 60 Hz     Initial value   0.8     Initial value   0.5 A     at 24 V   0.5 A     at 24 V   0.5 m     at 25 m     at 26 m     at 26 m     at 26 m     at 27 m     at 28 m	full-scale value	1.1
Finitial value   0.8   1.1	operating range factor control supply voltage rated value at	
	AC at 60 Hz	
at 24 V   0.5 A	• initial value	0.8
a 12 47 V	full-scale value	1.1
at 240 V     duration of inrush current peak     at 240 V     at 240 V     b Anne contact No	inrush current peak	
at 24 V 0,5 ms  at 24 V 0,5 ms  witching function  Witching function  O'N-delay instantaneous contact No  - passing make contact/instantaneous contact No  - o'Ff delay  standard witching with interval start instantaneous No  - flashing symmetrically with interval start No  - flashing symmetrically with pulse start No  - star-dela circuit with delay time No  - star-dela	● at 24 V	0.5 A
a t2 42 V a t2 40 V b (5.5 ms  witching Function  switching function  • ON-delay  • ON-delay  • ON-delay  • ON-delay  • passing make contact  • passing make contact  • Fashing asymmetrically with interval start instantaneous  • flashing symmetrically with pulse start  • flashing asymmetrically with pulse start instantaneous  • switching function  • stan-delta crout it with delay time  • passing break contact instantaneous  • pulse delayed  • pulse delay	● at 240 V	5 A
wilching Function  **ON-delay function**  **ON-delay function	duration of inrush current peak	
witching function  **ON-delay instantaneous contact	• at 24 V	0.4 ms
switching function  ON delay ON-delay instantaneous contact passing make contact passing pasymmetrically with interval start passing pasymmetrically with pulse start/instantaneous passing pasymmetrically with pulse start passing bractor contact passing bract contact passing brack contact passing passing contact passing brack contact passing passing brack contact passing passing passing passing passing brack passing passing passing passing passing brack passing passi	• at 240 V	0.5 ms
ON-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous OR-delayinstantan	Switching Function	
ON-defay/instantaneous contact passing make contact passing make contact No OFF delay  switching function flashing symmetrically with interval start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing asymmetrically with pulse start No flashing asymm	switching function	
passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact processory  switching function flashing symmetrically with interval start/instantaneous flashing symmetrically with pulse start flashing symmetrically with pulse start passing masymmetrically with pulse start passing asymmetrically with pulse start passing asymmetrically with pulse start passing flashing asymmetrically with pulse start passing asymmetrically with pulse start passing flashing contact passing flashing asymmetrically with pulse start passing passing	ON-delay	No
passing make contact/instantaneous contact	<ul> <li>ON-delay/instantaneous contact</li> </ul>	No
OFF delay     witching function	passing make contact	No
### ### ### ### ### ### ### ### ### ##	<ul> <li>passing make contact/instantaneous contact</li> </ul>	No
• flashing symmetrically with interval start	OFF delay	No
I flashing symmetrically with pulse start/instantaneous I flashing symmetrically with pulse start I flashing asymmetrically with pulse start I flashing asymmetrically with interval start I flashing asymmetrically with pulse start I flashin	switching function	
In sahing symmetrically with pulse start/instantaneous In sahing symmetrically with pulse start In sahing asymmetrically with interval start In sahing asymmetrically with pulse start In sahing asymmetrically with contact start and in sahing asymmetrically with sahing as start and in sahing asymmetrically start and in sahing asymmetrically sahing and sahing asymmetrically sahing asym	<ul> <li>flashing symmetrically with interval start/instantaneous</li> </ul>	No
• flashing symmetrically with pulse start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start • flashing symmetrically with pulse start • 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  • additive ON-delay • passing break contact • passing break contact No • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay • OFF delay • Dulse delayed • pulse delayed • pulse delayed/instantaneous • pulse-shaping • pulse-shaping/instantaneous • additive ON-delay/instantaneous • And on-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • Dassing make contact • passing make contact • retrotiggerable with deactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal • retrotrigerable with for short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  wutkliary circuit  material of switching contacts  AgSnO2	<ul> <li>flashing symmetrically with interval start</li> </ul>	No
• flashing asymmetrically with pulse start  • flashing asymmetrically with pulse start  ***switching function**  • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit  **yes  **switching function with control signal • additive ON-delay • passing break contact • passing make contact • passing make contact • passing make contact • passing make contact/instantaneous • pulse-shapping with control signal • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with witched-on control signal • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal • retrotriggerable with for short-circuit protection  design of the fuse link for short-circuit protection of the auxillary witch required  **The protection**  ### Suppose the start of the sack in the	<ul> <li>flashing symmetrically with pulse start/instantaneous</li> </ul>	No
• flashing asymmetrically with pulse start  witching function  • star-delta circuit with delay time • star-delta circuit  switching function with control signal  • additive ON-delay • passing break contact • passing break contact No • passing break contact No • passing break contactinstantaneous • OFF delay • OFF delay No • pulse delayed • pulse delayed No • pulse shaping No • pulse-shaping No • pulse-shaping No • pulse-shaping/instantaneous • No • ON-delay/instantaneous • No • pulse delayed Instantaneous • pulse shaping/instantaneous • retrotriggerable with deactivated control signal • retrotriggerable with deactivated control signal • 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 • retrotriggerable 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 switc	<ul> <li>flashing symmetrically with pulse start</li> </ul>	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  switching function with control signal  • additive ON-delay  • passing break contact • passing break contact/instantaneous • OFF delay  • OFF delay (note of delay instantaneous) • OFF delay (note of delay instantaneous) • Dulse delayed • pulse delayed • pulse delayed(nistantaneous) • pulse delayed(nistantaneous) • pulse shaping (nistantaneous) • pulse-shaping (nistantaneous) • DoN-delay/OFF-delay/instantaneous • Additive ON-delay/instantaneous • DoN-delay/OFF-delay/instantaneous • passing make contact • passing make contact (note of interval relay with control signal • retrotriggerable with deactivated control signal • retrotriggerable 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	<ul> <li>flashing asymmetrically with interval start</li> </ul>	No
• star-delta circuit with delay time • star-delta circuit  switching function with control signal • additive ON-delay • passing break contact • passing break contact • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay • OFF delay/instantaneous • pulse delayed/instantaneous • pulse delayed/instantaneous • pulse-shaping • pulse-shaping • pulse-shaping/instantaneous • additive ON-delay/instantaneous • ANO • pulse-shaping • NO • DN-delay/OFF-delay/instantaneous • ANO • pulse-shaping NO • Pulse-shaping NO • Explay/OFF-delay/instantaneous • ANO • Pulse-shaping NO • ON-delay/OFF-delay/instantaneous • ANO • Pulse-shaping NO • Pulse-shaping NO • Explay/OFF-delay/instantaneous • ANO • Pulse-shaping NO • Pulse-shap	<ul> <li>flashing asymmetrically with pulse start</li> </ul>	No
switching function with control signal  additive ON-delay  passing break contact  passing break contact/instantaneous  OFF delay  OFF delay/  ourse delayed  pulse delayed  pulse shaping  pulse-shaping  pulse-shaping/instantaneous  additive ON-delay/instantaneous  ANO  ONO  ONO  Additive ON-delay/instantaneous  NO  ONO  ON-delay/instantaneous  NO  or passing make contact  passing with deactivated control signal  retrotriggerable with deactivated control signal  retrotriggerable with switched-on control signal  retrotriggerable with switched-on control signal  retrotriggerable with deactivated control signal  NO  retrotriggerable with deactivated control signal  No  retrotriggerable with feactivated control signal  No  retrotriggerable with switched-on control signal  retrotriggerable with deactivated control signal  No  retrotriggerable with switched-on control signal  Retrotriggerable with deactivated control signal  No  retrotriggerable with switched-on control signal  Retrotriggerable with swit	switching function	
exitching function with control signal  additive ON-delay  passing break contact  passing break contact/instantaneous  OFF delay  OFF delay  No  OFF delay  No  pulse delayed  pulse delayed  pulse-shaping  pulse-shaping  pulse-shaping/instantaneous  No  ON  ON-delay/OFF-delay/instantaneous  No  pulse-shaping/instantaneous  No  pulse-shaping/instantaneous  No  ON-delay/OFF-delay/instantaneous  No  ON-delay/OFF-delay/instantaneous  No  passing make contact  passing make contact  retrotriggerable with deactivated control signal  retrotriggerable with deactivated control signal  retrotriggerable with switched-on control signal  retrotriggerable with deactivated control  signal/instantaneous contact  retrotriggerable with deactivated control signal  retrotriggerable 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  Ro  retrotriggerable with deactivated control signal  No  retrotriggerable with switched-on control  signal/instantaneous contact  retriggerable 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 switched-on control  signal/instantaneous contact  Ro  Ro  Ro  Ro  Ro  Ro  Ro  Ro  Ro  R	<ul> <li>star-delta circuit with delay time</li> </ul>	No
additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay OFF delay OFF delay No pulse delayed pulse delayed/instantaneous No pulse-shaping No pulse-shaping No pulse-shaping/instantaneous No oN-delay/Instantaneous No oN-delay/Instantaneous No oN-delay/Instantaneous No oN-delay/OFF-delay/instantaneous No oN-delay/Instantaneous No passing make contact/instantaneous No switching function of interval relay with control signal oretrotriggerable 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 oretrotriggerable with deactivated on ton signal No signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous oretrotriggerable with switched-on control signal/instan	star-delta circuit	Yes
passing break contact/ passing break contact/instantaneous  OFF delay  OFF delay  OFF delay  Pulse delayed  Pulse delayed/instantaneous  Pulse-shaping  Pulse-shaping  ONO  ONO-delay/Instantaneous  NO  Spassing make contact  Passing make contact  NO  switching function of interval relay with control signal  Petrotriggerable with deactivated control signal  Petrotriggerable with switched-on control signal  Petrotriggerable with switched-on control  Signal/Instantaneous contact  Pretrotriggerable with deactivated control  Signal/Instantaneous contact  Pretrotriggerable with deactivated control signal  NO  Signal/Instantaneous contact  Pretrotriggerable with deactivated control signal  No  Signal/Instantaneous contact  Pretrotriggerable with deactivated control signal  No  Signal/Instantaneous contact  Pretrotriggerable with switched-on control  Signal/Instantaneous  NO		
passing break contact/instantaneous OFF delay OFF delay OFF delay/instantaneous  pulse delayed No pulse delayed/instantaneous No pulse-shaping No pulse-shaping/instantaneous No oditive ON-delay/instantaneous ON-delay/instantaneous ON-delay/instantaneous No opassing make contact No passing make contact No switching function of interval relay with control signal or etrotriggerable with deactivated control signal/instantaneous contact or etrotriggerable with switched-on control signal/instantaneous or etrotriggerable with sw	additive ON-delay	No
OFF delay OFF delay/instantaneous OFF delay/instantan	<ul> <li>passing break contact</li> </ul>	No
OFF delay/instantaneous pulse delayed No pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous pulse-shaping/instantaneous additive ON-delay/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 ON-delay/OFF-delay/instantaneous ONO 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/instantaneous contact retriggerable with deactivated control signal No strot-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  wuxiliary circuit material of switching contacts  AgSnO2	<ul> <li>passing break contact/instantaneous</li> </ul>	No
<ul> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>No</li> <li>pulse-shaping</li> <li>No</li> <li>pulse-shaping/instantaneous</li> <li>No</li> <li>additive ON-delay/instantaneous</li> <li>ON-delay/iOFF-delay/instantaneous</li> <li>No</li> <li>ON-delay/iOFF-delay/instantaneous</li> <li>No</li> <li>passing make contact</li> <li>No</li> <li>passing make contact/instantaneous contact</li> <li>No</li> <li>switching function of interval relay with control signal</li> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal instantaneous contact</li> <li>retriggerable with deactivated control signal</li> <li>retriggerable with deactivated control signal</li> <li>retriggerable with deactivated control signal</li> <li>retriggerable with for short-circuit protection</li> <li>design of the fuse link for short-circuit protection of the auxiliary switch required</li> <li>vexitiary circuit</li> <li>material of switching contacts</li> <li>AgSnO2</li> </ul>	OFF delay	No
pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous passing make contact passing make contact passing make contact/instantaneous contact  vo  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 retrotriggerable with deactivated control signal/instantaneous contact eretrotriggerable with switched-on control signal/instantaneous contact eretrotriggerable with deactivated control signal No  thort-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  waxiliary circuit material of switching contacts  AgSnO2	OFF delay/instantaneous	No
<ul> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>ON-delay/OFF-delay/instantaneous</li> <li>No</li> <li>passing make contact</li> <li>passing make contact/instantaneous contact</li> <li>passing function of interval relay with control signal</li> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal/instantaneous contact</li> <li>retriggerable with deactivated control signal</li> <li>retriggerable with deactivated control signal</li> <li>retriggerable with for short-circuit protection</li> <li>design of the fuse link for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 4 A</li> </ul>	pulse delayed	No
<ul> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>ON-delay/OFF-delay/instantaneous</li> <li>Passing make contact</li> <li>passing make contact/instantaneous contact</li> <li>passing make contact/instantaneous contact</li> <li>passing make contact/instantaneous contact</li> <li>retrotriggerable with deactivated control signal</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal/instantaneous contact</li> <li>retriggerable with deactivated control signal</li> <li>retriggerable with deactivated control signal</li> <li>No</li> </ul> Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Muxiliary circuit material of switching contacts AgSnO2	<ul> <li>pulse delayed/instantaneous</li> </ul>	No
additive ON-delay/instantaneous     ON-delay/OFF-delay/instantaneous     passing make contact     No     passing make contact/instantaneous contact     No     passing make contact/instantaneous contact     No  switching function of interval relay with control signal	• pulse-shaping	No
ON-delay/OFF-delay/instantaneous passing make contact passing make contact/instantaneous contact  retrotriggerable with deactivated 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  Muxiliary circuit material of switching contacts  No  AgSnO2	<ul><li>pulse-shaping/instantaneous</li></ul>	No
<ul> <li>passing make contact         <ul> <li>passing make contact/instantaneous contact</li> <li>No</li> </ul> </li> <li>switching function of interval relay with control signal         <ul> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal</li> <li>retrotriggerable with switched-on control signal/instantaneous contact</li> <li>retriggerable with deactivated control signal</li> <li>No</li> </ul> </li> <li>Short-circuit protection         <ul> <li>design of the fuse link for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 4 A</li> </ul> </li> <li>Muxillary circuit</li> <li>material of switching contacts</li> </ul> AgSnO2	<ul> <li>additive ON-delay/instantaneous</li> </ul>	No
passing make contact/instantaneous contact      switching function of interval relay with control signal	<ul> <li>ON-delay/OFF-delay/instantaneous</li> </ul>	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 No No signal/instantaneous contact  • retriggerable with deactivated control signal No 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	passing make contact	No
retrotriggerable with deactivated control signal/instantaneous contact     retrotriggerable with switched-on control signal No     retrotriggerable with switched-on 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 auxiliary switch required  Auxiliary circuit  material of switching contacts  No  AgSnO2	<ul> <li>passing make contact/instantaneous contact</li> </ul>	No
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  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 of interval relay with 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  No  AgSnO2		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  Auxiliary circuit  material of switching contacts  AgSnO2	<ul> <li>retrotriggerable with switched-on control signal</li> </ul>	No
design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  AgSnO2	signal/instantaneous contact	
design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  AgSnO2		No
switch required  Auxiliary circuit  material of switching contacts  AgSnO2		fuse al /aG: 4 A
material of switching contacts AgSnO2	switch required	iuse gL/gG. 4 A
		1000
number of NC contacts	-	AgSnU2
	number of NC contacts	

delayed switching	0
instantaneous contact	0
number of NO contacts	
delayed switching	1
• instantaneous contact	1
number of CO contacts	
delayed switching     instructory approach	0
instantaneous contact     operational current of auxiliary contacts at AC-15	0
• at 24 V	3 A
• at 250 V	3 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1.8
• 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
contact renability of auxiliary contacts	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	
<ul> <li>at the relay outputs switchover delayed/without delay</li> </ul>	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	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV network connection / 1 kV control connection
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
<ul> <li>due to conductor-conductor surge according to IEC</li> </ul>	1 kV
61000-4-5	
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
Electrical Safety	IDOO
protection class IP on the front according to IEC 60529	IP20
type of insulation	Basic insulation
Connections/ 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 connectable conductor cross-sections	
• solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 4 mm²), 2x (0.5 1.5 mm²)
<ul> <li>for AWG cables solid</li> </ul>	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
<u> </u>	

depth	90 mm
required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— 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	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity during operation	10 95 %
Approvals Certificates	
General Product Approval	







Confirmation





EMV Test Certificates Marine / Shipping



<u>KC</u>

Type Test Certificates/Test Report







Marine / Shipping other Environment







Confirmation

Environmental Confirmations

## Further information

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=3RP2574-1NW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2574-1NW30

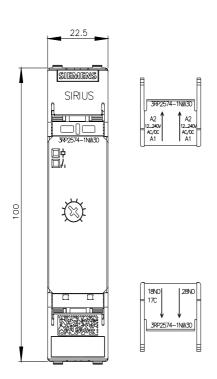
 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

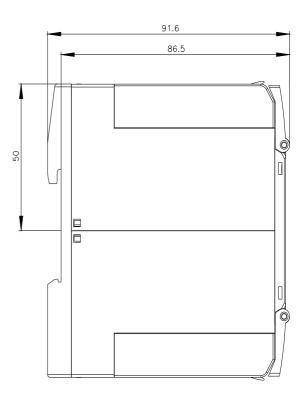
https://support.industry.siemens.com/cs/ww/en/ps/3RP2574-1NW30

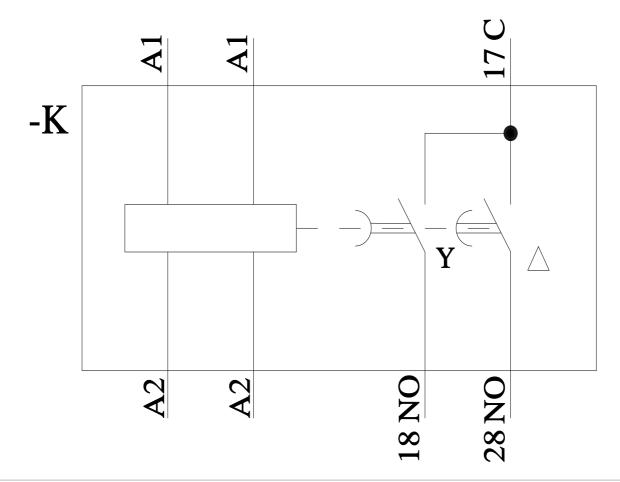
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RP2574-1NW30&lang=en

**Characteristic: Derating** 







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