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 type designation design of the product product type designation General technical data product component	product brand name	SIRIUS	
product type designation General technical data product component • relay output • semi-conductor output product extension required remote control product extension optional remote control power loss [W] maximum clic 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 60068-2-7 wibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value relative setting accuracy relating to full-scale value insulation voltage for isolation test 2.5 kev degree of pollution 3 surge voltage resistance acc. to IEC 60068-2-7 ing / 5 ms vibration resistance acc. to IEC 60068-2-7 ing / 5 ms vibration resistance acc. to IEC 60068-2-6 in 55 Hz / 0.35 mm mechanical service life (switching cycles) typical adjustable time 1 20 s reference code acc. to IEC 81346-2 kerelative repeat accuracy relating to full-scale value influence of the surrounding temperature power supply influence 1% in the whole temperature range to the set runtime power supply influence Control Gircuit/ Control type of voltage of the control supply voltage control supply voltage 1 ta AC • at 60 Hz • at 60 Hz • at DC 12 240 V control supply voltage 1 • at DC	product designation	timing relay	
Product component Prelay output Prelay o	design of the product	Star-delta (wye-delta) function	
erelaty output esemi-conductor output No product extension required remote control product extension optional remote control No power loss [W] maximum IIII acceptable with degree of pollution 3 rated value test 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 protection class IP IP20 shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service IIIe (switching cycles) typical electrical endurance (switching cycles) typical adjustable time 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 %; +/- influence of the surrounding temperature power supply influence 1 12.09 2014 Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage frequency 1 co	product type designation	3RP25	
• relay output • semi-conductor output product extension required remote control product extension optional remote control power loss [W] maximum 2 W 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 protection class IP shock resistance acc. to IEC 60068-2-7 vibration resistance acc. to IEC 60068-2-7 vibration resistance acc. to IEC 60068-2-7 indicate andurance (switching cycles) typical electrical endurance (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 for A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC 12 240 V - at 60 Hz - control supply voltage frequency 1 control supply voltage frequency 1 • at DC 12 240 V	General technical data		
semi-conductor output product extension required remote control No product extension optional remote control power loss [W] maximum 2 W 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 insulation resistance acc. to IEC 60068-2-27 inspection resistance acc. to IEC 60068-2-6 in 55 Hz / 0.35 mm menchanical 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 faceovery time 250 ms reference code acc. to IEC 81346-2 k relative repeat accuracy influence of the surrounding temperature power supply influence substance Prohibitance (Date) control supply voltage 1 at AC • at 50 Hz • at 0 Hz • at DC into Maximum 2 W 300 V III according to a No. 300 V III according to AC 100 NO	product component		
product extension required remote control product extension optional remote control product extension optional remote control power loss [W] maximum power loss [W] maximum 2 W sinsulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test 2.5 kV degree of pollution 3 surge voltage resistance rated value protection class IP IP20 shock resistance acc. to IEC 60068-2-27 III / 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) 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 11%; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 2	 relay output 	Yes	
product extension optional remote control power loss [W] maximum 2 W	 semi-conductor output 	No	
power loss [W] maximum insulation voltage for overvoltage category III according to IEC 60684 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 shock resistance acc. to IEC 60068-2-27 tip / 15 ms 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 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence 1 % in the whole temperature range to the set runtime power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 0D Hz • at DC 12 240 V control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V	product extension required remote control	No	
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 protection class IP shock resistance acc. to IEC 60068-2-27 11g / 15 ms 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 for recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC e at 50 Hz e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V	product extension optional remote control	No	
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 vibration resistance acc. to IEC 60068-2-6 nechanical 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 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 12.09.2014 Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 0D C 12 240 V • at 0D Hz control supply voltage frequency 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V	power loss [W] maximum	2 W	
degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 tilly / 15 ms vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (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 1%; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 60 Hz control supply voltage frequency 1 at DC 12 240 V control supply voltage frequency 1 at DC 12 240 V control supply voltage frequency 1 at DC 12 240 V		300 V	
surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 nechanical 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 facovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) control circuit/ Control type of voltage of the control supply voltage at DC 10 55 Hz / 0.35 mm 1000 000 110 000 000 110 000 000 110 000 00	test voltage for isolation test	2.5 kV	
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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 60 Hz control supply voltage 1 at AC at 60 Hz control supply voltage 1 at DC 11 1/1 5 ms 11 1/1 15 ms 11 1/1 10 000 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10	degree of pollution	3	
shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 nechanical 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 thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage of the 2 Control supply voltage 1 at AC • at 50 Hz • at 60 Hz control supply voltage 1 • at DC 110 000 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000	surge voltage resistance rated value	4 000 V	
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 faccovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage e at 50 Hz e at 50 Hz e at 60 Hz control supply voltage 1 e at DC 10 55 Hz / 0.35 mm 10 .000 000 11 20 s 12 240 V 12 240 V 250 ms 14 20 s 15 240 V 250 ms 16 240 V 250 ms 17 240 V 250 ms 18 240 V 250 ms 26 240 V 27 240 V 28 240 V 28 240 V 29 240 V 20 240 V 20 240 V 20 240 V 21 240 V 22 240 V 24 240 V 25 240 V 26 240 V 27 240 V 28 240 V 28 240 V 29 240 V 20 240 V	protection class IP	IP20	
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 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage o at 50 Hz • at 60 Hz control supply voltage 1 • at DC 10 000 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 1	shock resistance acc. to IEC 60068-2-27	11g / 15 ms	
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 influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 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 • at DC 100 000 1 20 s 1 250 MK It is the whole temperature range to the set runtime 1% in the whole voltage range to the set runtime 12.09.2014 Control circuit/ Control 12 240 V 20 240 V 20 60 Hz control supply voltage frequency 1 50 60 Hz 12 240 V	vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm	
adjustable time 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 influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage 1 • at DC 1 240 V control supply voltage 1 • at DC 1 240 V control supply voltage 1 • at DC	mechanical service life (switching cycles) typical	10 000 000	
relative setting accuracy relating to full-scale value thermal current fereovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 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 1	` ,	100 000	
thermal current recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 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 1 control supply voltage frequency 1 control supply voltage 1 at DC 12 240 V control supply voltage frequency 1 control supply voltage 1 at DC 12 240 V	adjustable time	1 20 s	
recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage frequency 1 • at DC 250 ms K K 1 %; +/- 1 % in the whole temperature range to the set runtime 1 % in the whole voltage range to the set runtime AC/DC 2.09.2014 CONTROL CIRCUIT/ CONTROL 4 CONTROL SUPPLY VOLTAGE 12 240 V 50 60 Hz CONTROL SUPPLY VOLTAGE 1 50 60 Hz CONTROL SUPPLY VOLTAGE 1 12 240 V	relative setting accuracy relating to full-scale value	5 %; +/-	
reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage frequency 1 • at DC 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 % in the whole voltage range to the set runtime AC/DC AC/DC Control supply voltage 1 at AC 12 240 V 240 V 50 60 Hz control supply voltage 1 • at DC 12 240 V	thermal current	5 A	
relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage 1	recovery time	250 ms	
influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 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 12 240 V 12 240 V 13 240 V 14 240 V 15 240 V 16 240 V 26 240 V 27 240 V 28 240 V	reference code acc. to IEC 81346-2	K	
power supply influence Substance Prohibitance (Date) 12.09.2014 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 12 240 V 12 240 V 13 240 V 14 240 V 15 240 V 15 240 V	relative repeat accuracy	1 %; +/-	
Substance Prohibitance (Date) 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 12 240 V 12 240 V 12 240 V 13 240 V 14 240 V 15 240 V 15 240 V	influence of the surrounding temperature	1% in the whole temperature range to the set runtime	
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 frequency 1 at DC AC/DC AC/DC AC/DC 12 240 V 50 60 Hz 12 240 V 13 240 V 14 240 V 15 240 V	power supply influence	1% in the whole voltage range to the set runtime	
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 frequency 1 at DC AC/DC 12 240 V 50 60 Hz 12 240 V	Substance Prohibitance (Date)	12.09.2014	
control supply voltage 1 at AC 12 240 V ● at 50 Hz 12 240 V ● at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz control supply voltage 1 12 240 V	Control circuit/ Control		
• at 50 Hz • at 60 Hz • at 60 Hz control supply voltage frequency 1 • at DC 12 240 V 50 60 Hz 12 240 V 12 240 V	type of voltage of the control supply voltage	AC/DC	
● at 60 Hz control supply voltage frequency 1 control supply voltage 1 e at DC 12 240 V 50 60 Hz 12 240 V	control supply voltage 1 at AC		
control supply voltage frequency 1 50 60 Hz control supply voltage 1 ● at DC 12 240 V	● at 50 Hz	12 240 V	
control supply voltage 1 ● at DC 12 240 V	• at 60 Hz	12 240 V	
• at DC 12 240 V	control supply voltage frequency 1	50 60 Hz	
	control supply voltage 1		
operating range factor control supply voltage rated	• at DC	12 240 V	
	operating range factor control supply voltage rated		

value at DC ● initial value	0.8
	1.1
full-scale value	I.I
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated	
value at AC at 60 Hz	
initial value	0.8
• full-scale value	1.1
inrush current peak	
• at 24 V	0.5 A
• at 240 V	5 A
duration of inrush current peak	
• at 24 V	0.4 ms
• at 240 V	0.5 ms
Switching Function	
switching function	
ON-delay	No
ON-delay/instantaneous contact	No
passing make contact	No
passing make contact/instantaneous contact	No
OFF delay	No
switching function	
flashing symmetrically with interval	No
start/instantaneous	
 flashing symmetrically with interval start 	No
flashing symmetrically with pulse	No
start/instantaneous	Na
flashing symmetrically with pulse start flashing symmetrically with interval start	No No
flashing asymmetrically with interval startflashing asymmetrically with pulse start	No No
switching function	INU
star-delta circuit with delay time	No
star-delta circuit star-delta circuit	Yes
switching function with control signal	163
additive ON-delay	No
passing break contact	No
passing break contact/instantaneous	No
OFF delay	No
OFF delay/instantaneous	No
pulse delayed	No
pulse delayed/instantaneous	No
pulse delayed/installedds pulse-shaping	No
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	No
signal/instantaneous contact	
 retrotriggerable with switched-on control signal 	No
 retrotriggerable with switched-on control 	No
signal/instantaneous contact	
retriggerable with deactivated control signal	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the	fuse gL/gG: 4 A
auxiliary switch required	
Auxiliary circuit	

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
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 acc. to IEC 61812-1	ambience A (industrial sector)
EMC immunity acc. to IEC 61812-1	corresponds to degree of severity 3
conducted interference	osmosponas to augros or soverny s
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-card surge acc. to IEC 01000-4-3 due to conductor-conductor surge acc. to IEC	1 kV
61000-4-5	I IV
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	
protection class IP on the front acc. to IEC 60529	IP20
type of insulation	Basic insulation
	none
Category acc. to En 954-1	
category acc. to EN 954-1 Connections/ Terminals	
Connections/ Terminals	
	Yes
Connections/ Terminals product component removable terminal for auxiliary	
Connections/ Terminals product component removable terminal for auxiliary and control circuit	Yes
Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	Yes
Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals
Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²)
Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14)
connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²)
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14)
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)
connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm²
connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm²
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 22.5 mm
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 22.5 mm

— 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

-40 ... +85 °C

-40 ... +85 °C 10 ... 95 %

Certificates/ approvals

• during storage

• during transport

relative humidity during operation

General Product Approval

EMC

Declaration of Conformity













Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous

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=3RP2574-1NW30

Cax online generator

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

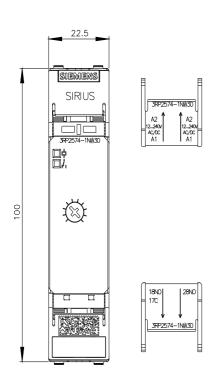
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

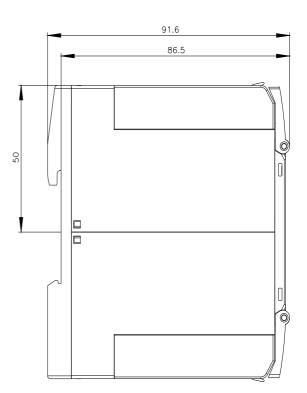
https://support.industry.siemens.com/cs/ww/en/ps/3RP2574-1NW30

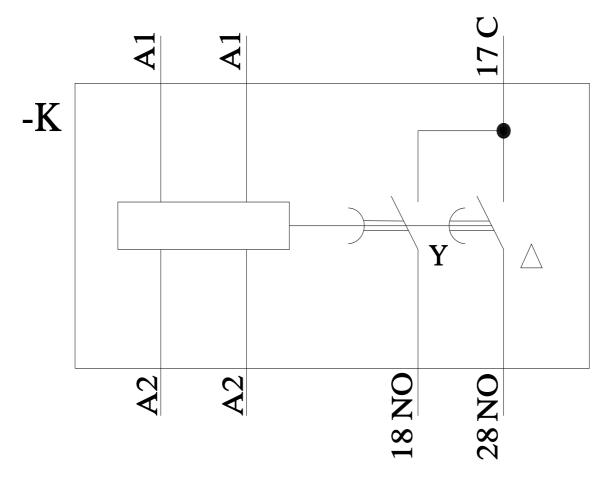
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

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

Characteristic: Derating







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