## **SIEMENS**

Data sheet 3RP2574-2NW30



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 with LED, Spring-type terminal (push-in)

product type designation  design of the product product type designation  General technical data  product type designation  **relay output**  **relay output	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  product extension optional remote control  power loss [W] maximum  2 W  insulation voltage for overvoltage category III according to IEC  6064 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  4 000 V  protection class IP  protection class IP  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical  adjustable time  relative setting accuracy relating to full-scale value  5 %; +/-  thermal current  7 5 A  recovery time  250 ms  reference code according to IEC 81346-2  Krelative repeat accuracy  1 1%; +/-  influence of the surrounding temperature  9 39(1) 22014  SVHC substance name  Biel -7439-92-1  Bielmonoxid (Bieloxid) - 1317-36-8  Bielmonoxid (Bieloxid) - 1317-36-8  Bielmonoxid (Bieloxid) - 1317-36-8  Bielmonoxid (Bieloxid) - 1718-36-9  Control supply voltage 1 at AC  • at 50 Hz  • at 60 Hz  control supply voltage frequency 1	product designation	timing relay
General technical data  product component  • relay output  • semi-conductor output  No  product extension required remote control  power loss [W] maximum  2 W  insulation voltage for overvoltage category III according to IEC 60664 with degree of politution 3 rated value  test voltage for isolation test  degree of politution  3 surge voltage resistance rated value  4 0000 V  protection class IP  shock resistance according to IEC 60068-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V  typical  adjustable time  7 l 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 voltage range to the set runtime  power supply influence  Substance Prohibitance (Date)  SVHC substance Prohibitance (Date)  8 SVHC substance Prohibitance (Date)  5 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	design of the product	Star-delta (wye-delta) function
product component	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 6064 with degree of poliution 3 rated value  test voltage for isolation test  2.5 kV  degree of poliution  3 surge voltage resistance rated value  4 000 V  protection class IP  shock resistance according to IEC 60068-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V  typical  adjustable time  relative setting accuracy relating to full-scale value  5 %; +/-  thermal current  7 SA  recovery time  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  9 your supply influence  Substance Prohibitance (Date)  90/12/2014  SVHC substance name  8 Iei - 7439-92-1  Bleimonosind (Bleioxol) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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 frequency 1  control supply voltage frequency 1  control supply voltage 1	General technical data	
• semi-conductor output  product extension required 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  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  protection class IP  shock resistance according to IEC 60068-2-27  the protection class IP  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical  adjustable time  relative setting accuracy relating to full-scale value  5 %; +/-  thermal current  5 A  recovery time  reference code according to IEC 81346-2  K  relative repeat accuracy  1 %; +/-  influence of the surroundling temperature  power supply influence  3 WHC substance name  Biei - 7439-92-1  Bieimonoxid (Bieioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl-2-morpho - 71868-10-5  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage frequency 1  4 at 80 Hz  control supply voltage frequency 1  control supply voltage 1	product component	
product extension required remote control product extension optional remote control No 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 according to IEC 60068-2-27 IIg / 15 ms mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical adjustable time 1 20 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code according to IEC 81348-2 krelative repeat accuracy Influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Blei-nraosi (Bleicxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control type of voltage of the control supply voltage control supply voltage frequency 1 at 80 Hz control supply voltage frequency 1 control supply voltage 1	<ul> <li>relay output</li> </ul>	Yes
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 2.5 kV degree of pollution 3 surge voltage resistance rated value protection class IP   IP20   Shock resistance according to IEC 60068-2-27   11g / 15 ms   mechanical service life (operating cycles) typical   10 000 000     electrical endurance (operating cycles) typical   10 000 000     electrical endurance (operating cycles) typical   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 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	semi-conductor output	No
power loss [W] maximum    power loss [W] maximum   2 W	product extension required remote control	No
insulation voltage for overvoltage category III according to IEC 60684 with degree of pollution 3 rated value test voltage for isolation test 2.5 kV degree of pollution 3 asurge voltage resistance rated value 4 000 V protection class IP IP20 shock resistance according to IEC 60068-2-27 11g / 15 ms mechanical service life (operating cycles) typical 10 000 000 electrical endurance (operating cycles) typical 10 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 120 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 19% in the whole voltage range to the set runtime Substance Prohibitance (Date) 99/12/2014  SVHC substance name Blei - 7439-92-1 Bleimonovid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage 1 at AC at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz control supply voltage 1	product extension optional remote control	No
test voltage for isolation test  test voltage for isolation test  degree of pollution  surge voltage resistance rated value  protection class IP  shock resistance according to IEC 60068-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating 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 according to IEC 81346-2  K  relative repeat accuracy  influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SYHC substance name  Bie: 7439-92-1  Bieimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methythhiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control  type of voltage of the control supply voltage  at 60 Hz  control supply voltage 1  control supply voltage 1  control supply voltage 1  control supply voltage frequency 1  50 60 Hz  control supply voltage 1	power loss [W] maximum	2 W
degree of pollution  surge voltage resistance rated value  protection class IP  shock resistance according to IEC 60068-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating 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 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  Substance Prohibitance (Date)  SVHC substance name  Biei - 7439-92-1  Bieimonoxid (Bieioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1  control supply voltage frequency 1  e at 60 Hz  control supply voltage 1		300 V
surge voltage resistance rated value  protection class IP  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  adjustable time  120 s  relative setting accuracy relating to full-scale value  thermal current  5 A  recovery time  250 ms  reference code according to IEC 81346-2  relative repeat accuracy  1 %; +/-  influence of the surrounding temperature  1 % in the whole temperature range to the set runtime  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Biei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1- (4-methylthiophenyl)-2-morpho - 71868-10-5  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 frequency 1  control supply voltage 1	test voltage for isolation test	2.5 kV
protection class IP  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time  1 20 s  relative setting accuracy relating to full-scale value thermal current 5 A  recovery time 250 ms  reference code according to IEC 81346-2 K  relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control type of voltage of the control supply voltage at 60 Hz  - at 50 Hz - at 60 Hz - control supply voltage frequency 1	degree of pollution	3
shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  adjustable time  relative setting accuracy relating to full-scale value  thermal current  ference code according to IEC 81346-2  relative repeat accuracy  influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Substance Prohibitance (Date)  SVHC substance of the control supply voltage  control circuit/ Control  type of voltage of the control supply voltage  at 60 Hz  control supply voltage frequency 1  control supply voltage 1  control supply voltage frequency 1  control supply voltage 1	surge voltage resistance rated value	4 000 V
mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 120 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 11%; +/- influence of the surrounding temperature power supply influence 1% in the whole temperature range to the set runtime Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control type of voltage of the control supply voltage	protection class IP	IP20
electrical endurance (operating cycles) at AC-15 at 230 V typical  adjustable time	shock resistance according to IEC 60068-2-27	11g / 15 ms
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  influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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	mechanical service life (operating cycles) typical	10 000 000
relative setting accuracy relating to full-scale value  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  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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		100 000
thermal current  recovery time  reference code according to IEC 81346-2  K  relative repeat accuracy  influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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  control supply voltage 1  at 60 Hz  control supply voltage 1	adjustable time	1 20 s
recovery time  reference code according to IEC 81346-2  K  relative repeat accuracy  influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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	relative setting accuracy relating to full-scale value	5 %; +/-
reference code according to IEC 81346-2  relative repeat accuracy  influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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	thermal current	5 A
relative repeat accuracy  influence of the surrounding temperature  power supply influence  1% in the whole temperature range to the set runtime  1% in the whole voltage range to the set runtime  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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	recovery time	250 ms
influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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  control supply voltage 1	reference code according to IEC 81346-2	K
power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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  control supply voltage 1	relative repeat accuracy	1 %; +/-
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  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  control supply voltage 1	influence of the surrounding temperature	1% in the whole temperature range to the set runtime
SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control  type of voltage of the control supply voltage AC/DC  control supply voltage 1 at AC  at 50 Hz  at 60 Hz  control supply voltage frequency 1  control supply voltage 1	power supply influence	1% in the whole voltage range to the set runtime
Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  Control circuit/ Control  type of voltage of the control supply voltage AC/DC  control supply voltage 1 at AC  • at 50 Hz	Substance Prohibitance (Date)	09/12/2014
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	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
control supply voltage 1 at AC       12 240 ∨         • at 50 Hz       12 240 ∨         • at 60 Hz       12 240 ∨         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       50 60 Hz	Control circuit/ Control	
• at 50 Hz	type of voltage of the control supply voltage	AC/DC
• at 60 Hz  control supply voltage frequency 1  control supply voltage 1	control supply voltage 1 at AC	
control supply voltage frequency 1 50 60 Hz control supply voltage 1	• at 50 Hz	12 240 V
control supply voltage 1	• at 60 Hz	12 240 V
	control supply voltage frequency 1	50 60 Hz
• at DC 12 240 V	control supply voltage 1	
	• at DC	12 240 V

operating range factor control supply voltage rated value at DC	
• initial value	0.8
• full-scale value	1.1
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 start/instantaneous	No
flashing symmetrically with interval start	No
flashing symmetrically with pulse start/instantaneous	No
flashing symmetrically with pulse start	No
flashing asymmetrically with interval start	No
flashing asymmetrically with pulse start	No
switching function	INU
star-delta circuit with delay time	No
star-delta circuit     star-delta circuit	Yes
switching function with control signal	165
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     pulse delayed/instantaneous	No
pulse-shaping	No
pulse-shaping     pulse-shaping/instantaneous	No
additive ON-delay/instantaneous	No
ON-delay/OFF-delay/instantaneous	No
passing make contact	No
passing make contact     passing make contact/instantaneous contact	No
switching function of interval relay with control signal	110
retrotriggerable with deactivated control signal/instantaneous contact	No
retrotriggerable with switched-on control signal	No
retrotriggerable with switched-on control signal/instantaneous contact	No
retriggerable with deactivated control signal  Short-circuit protection	No
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts	, igono2

<ul><li>delayed switching</li></ul>	0
instantaneous contact	0
number of NO contacts	
<ul> <li>delayed switching</li> </ul>	1
• instantaneous contact	1
number of CO contacts	
delayed switching	0
instantaneous contact	0
operational current of auxiliary contacts at AC-15	·
• at 24 V	3 A
• at 250 V	3 A
	37
operational current of auxiliary contacts at DC-13	4.0
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
operating frequency with 3RT2 contactor maximum	5 000 1/h
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
contact rating of auxiliary contacts according to UL	R300 / B300
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
at the relay outputs switchover delayed/without delay	No
• non-volatile	No
Electromagnetic compatibility	
EMC emitted interference according to IEC 61812-1	ambience A (industrial sector)
·	
EMC immunity according to IEC 61812-1	corresponds to degree of severity 3
conducted interference	
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
<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	
61000-4-5 field-based interference according to IEC 61000-4-3	10 V/m
	10 V/m 4 kV contact discharge / 8 kV air discharge
field-based interference according to IEC 61000-4-3	
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2	
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data	4 kV contact discharge / 8 kV air discharge
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1	4 kV contact discharge / 8 kV air discharge none
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529	4 kV contact discharge / 8 kV air discharge  none IP20
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation	4 kV contact discharge / 8 kV air discharge  none IP20
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit	1 kV contact discharge / 8 kV air discharge  none IP20 Basic insulation  Yes
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	4 kV contact discharge / 8 kV air discharge  none IP20 Basic insulation
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	4 kV contact discharge / 8 kV air discharge  none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	1 kV contact discharge / 8 kV air discharge  none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm <sup>2</sup>
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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	1 kV contact discharge / 8 kV air discharge  none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 • finely stranded without core end processing	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 2
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section • solid	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section • solid • finely stranded with core end processing	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 0.5 4 mm² 0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 12 0.5 4 mm² 0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 20 12 20 12 20 12  0.5 4 mm² 0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 20 12  20 12  0.5 4 mm² 20 12
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing  AWG number as coded connectable conductor cross section • solid • stranded	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 20 12 20 12 20 12  0.5 4 mm² 0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data  category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section  • solid • finely stranded with core end processing • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • solid • stranded  Installation/ mounting/ dimensions	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 20 12
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data  category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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 • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded  connectable conductor cross-section  • solid • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • solid • stranded connectable conductor cross section  • solid • stranded  Installation/ mounting/ dimensions  mounting position	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12  20 12  0.5 4 mm² 20 12  0.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm²  0.5 4 mm²  o.5 4 mm²  o.5 12  o.5 4 mm²  o.5 4 mm²  o.5 12  o.5 2.5 mm²  o.5 4 mm²
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data  category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  10.5 4 mm² 20 12 20 12 20 12 20 12 21
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation  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	none IP20 Basic insulation  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm²  0.5 4 mm²  o.5 4 mm²  o.5 12  o.5 4 mm²  o.5 4 mm²  o.5 12  o.5 2.5 mm²  o.5 4 mm²

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	
OI D	

## **General Product Approval**



Confirmation









EMV Test Certificates Marine / Shipping



Type Test Certificates/Test Report









Marine / Shipping

other





Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RP2574-2NW30

Cax online generator

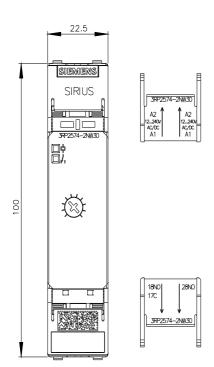
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RP2574-2NW30}$ 

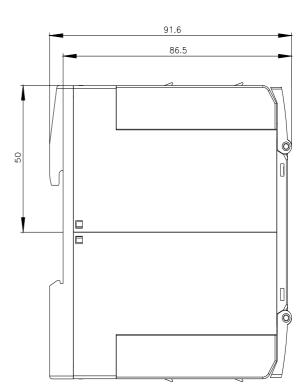
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

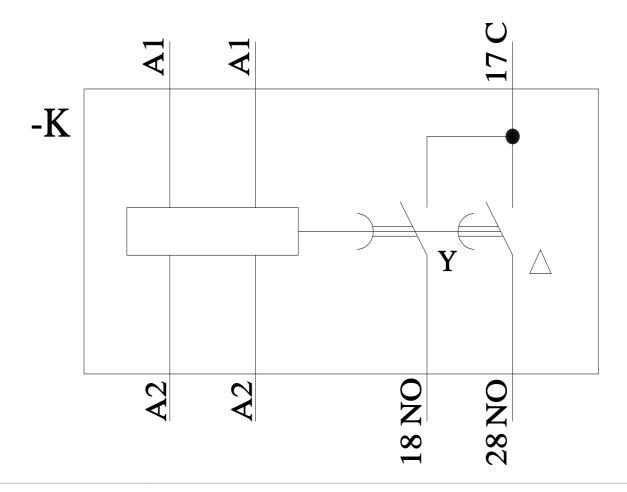
https://support.industry.siemens.com/cs/ww/en/ps/3RP2574-2NW30

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2574-2NW30/manual







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