## **SIEMENS**

Data sheet 3RP2025-2AQ30



Timing relay, electronic ansprechverzögert 1 change-over contact 24 V AC/DC, 200 to 127 V AC at 50/60 Hz AC 0.05 s to 100 h Overall width 45 mm Spring-type terminal

product type designation  design of the product product type designation  General technical data  product type designation  a relay output  • relay output  • relay output  • semi-conductor output  product extension required remote control  product extension optional remote control  No  power loss [W] maximum  2 W  insulation voltage for overvoltage category III according to let Co8664 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  4 000 V  shock resistance act. to IEC 60068-2-27  11g / 15 ms  wibration resistance act. to IEC 60068-2-27  mechanical service life (switching cycles) typical  electrical endurance (switching cycles) typical  electrical endurance (switching cycles) typical  adjustable time  0.05	product brand name	SIRIUS		
product type designation  General technical data product component  • relay output  • semi-conductor output  product extension required remote control product extension required remote control No product extension optional remote control No power loss [W] maximum  ELG 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance rated value 4 000 V shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V typical relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A reference code acc. to IEC 81346-2 Relative repeat accuracy 1 %; +/- influence of the surrounding temperature 4 5 % power supply influence 1 1 % Substance Prohibitance (Date) Ontrol circuit / Control  type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V control supply voltage 2 at AC • at 50 Hz rated value 24 V • at 60 Hz control supply voltage frequency 1 50 60 Hz	product designation	timing relay		
General technical data  product component  • relay output  • semi-conductor output  Product extension required remote control  No  product extension required remote control  No  power loss [W] maximum  2 W  insulation voltage for overvoltage category Ill according to lEC 80684 with degree of pollution 3 ataed value  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  4 000 V  shock resistance acc. to IEC 60068-2-27  11g / 15 ms  vibration resistance acc. to IEC 60068-2-6  10 55 Hz / 0.35 mm  mechanical service life (switching cycles) typical  electrical endurance (switching cycles) at AC-15 at 230 V  typical  adjustable time  0.05 100 s  relative setting accuracy relating to full-scale value  5 %; +/-  thermal current  recovery time  150 ms  reference code acc. to IEC 81346-2  K  relative repoat accuracy  1 %; +/-  influence of the surrounding temperature  ±5 %  power supply influence  ±1 %  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz rated value  24 V  • at 60 Hz  • at 60 Hz  control supply voltage frequency 1  50 60 Hz  control supply voltage frequency 1  50 60 Hz	design of the product	slow-operating		
product component  • 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 80064 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  shock resistance acc. to IEC 60068-2-27  11g / 15 ms  vibration resistance acc. to IEC 60068-2-6  10 55 Hz / 0.35 mm  mechanical service life (switching cycles) typical  electrical endurance (switching cycles) at AC-15 at 230 V  typical  adjustable time  relative setting accuracy relating to full-scale value  thermal current  5 A  recovery time  150 ms  reference code acc. to IEC 81346-2  K  relative repeat accuracy  influence of the surrounding temperature  2	product type designation	3RP20		
• relay output • semi-conductor output Product extension required remote control Product extension optional remote control No Product extension optional remote control No Power loss [W] maximum 2 W Insulation voltage for overvoltage category III according to IEC 80664 with degree of pollution 3 rated value  test voltage for isolation test degree of pollution 3 Surge voltage resistance rated value 4 000 V Shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm echanical 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 5 %; +/- thermal current 5 A recovery time 150 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 25 % 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 at 60 Hz 100 127 V at 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz	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     shock resistance acc. to IEC 60068-2-27     11g / 15 ms     vibration resistance acc. to IEC 60068-2-6     mechanical service IIfe (switching cycles) typical     delectrical endurance (switching cycles) typical     adjustable time     0.05 100 s     relative setting accuracy relating to full-scale value     thermal current     5 A     recovery time     reference code acc. to IEC 81346-2     influence of the surrounding temperature     ±5 %     power supply influence     24 W     at 50 Hz rated value     at 50 Hz rated value     at 60 Hz     control supply voltage frequency 1     50 60 Hz	product component			
product extension required remote control product extension optional remote control power loss [W] maximum 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 4 000 V shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 0.05 100 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 45 % power supply influence 41 % Substance Prohibitance (Date) 01.05.2012  Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz control supply voltage frequency 1 50 60 Hz	<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 80684 with degree of pollution 3 rated value test voltage for isolation test 2 kV degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical adjustable time 0.05 100 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time 150 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence 2 t1 % Substance Prohibitance (Date) 0.105.2012 Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz control supply voltage frequency 1 50 60 Hz  control supply voltage frequency 1 50 60 Hz	<ul> <li>semi-conductor output</li> </ul>	No		
power loss [W] maximum  insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  surge voltage resistance rated value  4 000 V  shock resistance acc. to IEC 60068-2-27  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  frecovery time  150 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 AC  e at 50 Hz rated value  e at 60 Hz  e at 60 Hz  control supply voltage frequency 1  e at 60 Hz  control supply voltage frequency 1  so 60 Hz	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 4 000 V shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 150 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature 25 % power supply influence 41 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz rated value at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz	product extension optional remote control	No		
test voltage for isolation test degree of pollution 3 rated value  surge voltage resistance rated value shock resistance acc. to IEC 60068-2-6 vibration resistance acc. to IEC 60068-2-6 1055 Hz / 0.35 mm 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 fareacovery 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 rated value at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz control supply voltage frequency 1  50 60 Hz control supply voltage frequency 1  50 60 Hz control supply voltage frequency 1  50 60 Hz control supply voltage frequency 1	power loss [W] maximum	2 W		
degree of pollution   3		300 V		
surge voltage resistance rated value  shock resistance acc. to IEC 60068-2-27  11g / 15 ms  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  class time covery time covery time  reference code acc. to IEC 81346-2  relative repeat accuracy  relative repeat accuracy  1 %; +/-  influence of the surrounding temperature  5 %  power supply influence  21 %  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  at 50 Hz rated value  at 50 Hz  at 50 Hz  at 50 Hz  at 50 Hz  at 60 Hz  control supply voltage frequency 1  50 60 Hz  control supply voltage frequency 1  50 60 Hz	test voltage for isolation test	2 kV		
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  crelative setting accuracy relating to full-scale value thermal current  frequence 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 rated value at 60 Hz rated value at 60 Hz control supply voltage frequency 1  100 000  110 000  100 00  10	degree of pollution	3		
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 150 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 60 Hz rated value at 60 Hz rated value at 60 Hz at 60 Hz control supply voltage frequency 1  et at 60 Hz control supply voltage frequency 1  substance Prohibitage frequency 1  control supply voltage 2 at AC at 50 Hz at 60 Hz at 60 Hz control supply voltage frequency 1  substance frequency 1  control supply voltage frequency 1  substance frequency	surge voltage resistance rated value	4 000 V		
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time crelative setting accuracy relating to full-scale value thermal current for A recovery time ference 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 60 Hz rated value at 60 Hz rated value at 60 Hz at 60 Hz at 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz	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  150 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 AC  at 50 Hz rated value  at 60 Hz rated value  at 60 Hz  at 60 Hz  at 60 Hz  control supply voltage frequency 1  50 60 Hz  control supply voltage frequency 1  50 60 Hz	vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm		
adjustable time 0.05 100 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A recovery time 150 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature ±5 % power supply influence ±1 % Substance Prohibitance (Date) 01.05.2012  Control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage 1 at AC	mechanical service life (switching cycles) typical	10 000 000		
relative setting accuracy relating to full-scale value  thermal current  5 A  recovery time  150 ms  reference code acc. to IEC 81346-2  K  relative repeat accuracy  1 %; +/-  influence of the surrounding temperature  ±5 %  power supply influence  ±1 %  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 50 Hz  • at 60 Hz  control supply voltage frequency 1  5 %; +/-  K  AC/DC  AC/DC  CONTROL SUPPLY VOLTAGE  100 127 V  • at 60 Hz  control supply voltage frequency 1  50 60 Hz		100 000		
thermal current  recovery time  150 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 rated value  • at 60 Hz rated value  • at 50 Hz  • at 60 Hz  control supply voltage 2 at AC  • at 50 Hz  • at 60 Hz  control supply voltage 2 at AC  • at 50 Hz  • at 60 Hz  control supply voltage frequency 1  5 A  100 127 V  control supply voltage frequency 1  50 60 Hz	adjustable time	0.05 100 s		
recovery time  reference code acc. to IEC 81346-2  K  relative repeat accuracy influence of the surrounding temperature  power supply influence  ±1 %  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage 1 at AC  • at 50 Hz rated value • at 60 Hz rated value • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  control supply voltage frequency 1  150 ms  K  K  AC/DC  AC/DC  24 V  24 V  24 V  26 No Hz  100 127 V  27 No Hz  100 127 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  \$\frac{\pmathbf{t}}{2}\t	thermal current	5 A		
relative repeat accuracy  influence of the surrounding temperature  power supply influence  ±1 %  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 50 Hz  • at 50 Hz  control supply voltage 2 at AC  • at 50 Hz  • at 60 Hz  control supply voltage 1 at C  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  control supply voltage frequency 1  50 60 Hz	recovery time	150 ms		
influence of the surrounding temperature  power supply influence  \$\frac{\pmathbf{\text{thm}}}{\pmathbf{\text{thm}}}\$  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  \$\text{\text{at}} \text{\text{50}} \text{Hz} \text{ rated value}  \$\text{\text{at}} \text{\text{0}} \text{\text{V}}  control supply voltage 2 at AC  \$\text{\text{\text{at}} \text{\text{50}} \text{Hz}}  \$\text{\text{at}} \text{\text{0}}  \text{24 V}  control supply voltage 2 at AC  \$\text{\text{\text{at}} \text{\text{50}} \text{Hz}}  \$\text{\text{at}} \text{\text{50}} \text{Hz}  \$\text{\text{at}} \text{\text{50}} \text{Hz}  \$\text{\text{at}} \text{\text{50}} \text{Hz}  \$\text{\text{50}} \text{\text{Hz}} \text{\text{50}}  \text{50}  \text{27 V}  \$\text{\text{ontrol supply voltage frequency 1}}  \$\text{50}  \text{60} \text{Hz}	reference code acc. to IEC 81346-2	K		
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 rated value  • at 60 Hz rated value  • at 50 Hz  • at 60 Hz  control supply voltage 2 at AC  • at 50 Hz  • at 60 Hz  control supply voltage frequency 1  50 60 Hz	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 rated value  • at 60 Hz rated value  • at 50 Hz  • at 60 Hz  control supply voltage 2 at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  control supply voltage frequency 1  50 60 Hz	influence of the surrounding temperature	±5 %		
type of voltage of the control supply voltage  control supply voltage 1 at AC  at 50 Hz rated value  at 60 Hz rated value  control supply voltage 2 at AC  at 50 Hz  total control supply voltage 2 at AC  at 50 Hz  total control supply voltage 2 at AC  at 50 Hz  total control supply voltage 2 at AC  at 50 Hz  total control supply voltage frequency 1  total control supply voltage frequency 1	power supply influence	±1 %		
type of voltage of the control supply voltage  control supply voltage 1 at AC  at 50 Hz rated value  at 60 Hz rated value  control supply voltage 2 at AC  at 50 Hz  at 50 Hz  for at 60 Hz  control supply voltage frequency 1  control supply voltage frequency 1	Substance Prohibitance (Date)	01.05.2012		
control supply voltage 1 at AC          • at 50 Hz rated value         • at 60 Hz rated value        24 V         • at 60 Hz rated value       24 V         control supply voltage 2 at AC          • at 50 Hz         • at 60 Hz           100 127 V          • at 60 Hz          100 127 V           50 60 Hz	Control circuit/ Control			
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage 2 at AC</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>100 127 V</li> <li>control supply voltage frequency 1</li> <li>50 60 Hz</li> </ul>	type of voltage of the control supply voltage	AC/DC		
• at 60 Hz rated value         24 V          control supply voltage 2 at AC         • at 50 Hz         • at 60 Hz         • at 60 Hz          control supply voltage frequency 1          50 60 Hz	control supply voltage 1 at AC			
control supply voltage 2 at AC         ● at 50 Hz       100 127 V         ● at 60 Hz       100 127 V         control supply voltage frequency 1       50 60 Hz	• at 50 Hz rated value	24 V		
at 50 Hz     at 60 Hz     100 127 V     at 60 Hz     100 127 V     control supply voltage frequency 1     50 60 Hz	at 60 Hz rated value	24 V		
● at 60 Hz 100 127 V  control supply voltage frequency 1 50 60 Hz	control supply voltage 2 at AC			
control supply voltage frequency 1 50 60 Hz	● at 50 Hz	100 127 V		
	● at 60 Hz	100 127 V		
control complex colleges 4	control supply voltage frequency 1	50 60 Hz		
control supply voltage 1	control supply voltage 1			

at DC rated value	24 V			
operating range factor control supply voltage rated				
value at DC	0.05			
• initial value	0.85			
• full-scale value	1.1			
operating range factor control supply voltage rated value at AC at 50 Hz				
• initial value	0.85			
full-scale value	1.1			
operating range factor control supply voltage rated				
value at AC at 60 Hz				
• initial value	0.85			
• full-scale value	1.1			
Switching Function				
switching function				
<ul><li>ON-delay</li></ul>	Yes			
<ul> <li>ON-delay/instantaneous contact</li> </ul>	No			
passing make contact	No			
<ul> <li>passing make contact/instantaneous contact</li> </ul>	No			
OFF delay	No			
switching function				
<ul> <li>flashing symmetrically with interval</li> </ul>	No			
start/instantaneous				
<ul> <li>flashing symmetrically with interval start</li> </ul>	No			
flashing symmetrically with pulse	No			
start/instantaneous	No			
flashing symmetrically with pulse start	No No			
flashing asymmetrically with interval start	No No			
flashing asymmetrically with pulse start	No			
switching function	No			
star-delta circuit with delay time	No No			
star-delta circuit	No			
switching function with control signal	No			
additive ON-delay	No			
passing break contact	No			
passing break contact/instantaneous	No No			
OFF delay	No No			
OFF delay/instantaneous	No			
pulse delayed	No No			
pulse delayed/instantaneous	No No			
• pulse-shaping	No No			
pulse-shaping/instantaneous     additive ON delay/instantaneous	No No			
additive ON-delay/instantaneous     ON delay/OFF delay/instantaneous	No No			
ON-delay/OFF-delay/instantaneous	No No			
passing make contact     passing make contact/instantaneous contact	No No			
passing make contact/instantaneous contact      putto hing function of interval relay with control pignal.	No			
switching function of interval relay with control signal	No			
<ul> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> </ul>	No			
retrotriggerable with switched-on control signal	No			
retrotriggerable with switched-on control	No			
signal/instantaneous contact				
<ul> <li>retriggerable with deactivated control signal</li> </ul>	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	0			
number of CO contacts delayed switching	1			
operational current of auxiliary contacts at AC-15				

-+ 04 \/	0.4		
• at 24 V	3 A		
at 250 V  operational current of auxiliary contacts at DC-13	3 A		
at 24 V	4.0		
• at 125 V	1 A		
• at 250 V	0.2 A		
operating frequency with 3RT2 contactor maximum	0.1 A 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		
Inputs/ Outputs			
product function			
<ul><li>non-volatile</li></ul>	No		
Electromagnetic compatibility			
EMC emitted interference acc. to IEC 61812-1	EN 61000-6-4(3)		
EMC immunity acc. to IEC 61812-1	EN 61000-6-2		
conducted interference			
<ul><li>due to burst acc. to IEC 61000-4-4</li></ul>	2 kV network connection / 1 kV control connection		
<ul> <li>due to conductor-earth surge acc. to IEC 61000-4-5</li> </ul>	2 kV		
due to conductor-conductor surge acc. to IEC	1 kV		
61000-4-5	40.1//		
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		
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front		
type of insulation	Basic insulation		
category acc. to EN 954-1	none		
Connections/ Terminals			
product component removable terminal for auxiliary and control circuit	No		
type of electrical connection for auxiliary and control circuit	spring-loaded terminals		
type of connectable conductor cross-sections	Spring-loaded terminals		
• solid	2x (0,25 2,5 mm²)		
finely stranded with core end processing	2 x (0.25 2,5 mm²)		
finely stranded with core end processing     finely stranded without core end processing			
at AWG cables solid	2x (0.25 2.5 mm²)		
at AWG cables stranded     at AWG cables stranded	2x (24 14) 2x (24 14)		
connectable conductor cross-section			
• solid	0.3 2.5 mm²		
finely stranded with core end processing	0.3 1.5 mm²		
finely stranded with core end processing     finely stranded without core end processing	2.5 2.5 mm²		
AWG number as coded connectable conductor cross	2.0 2.0 mm		
section			
• solid	24 14		
• stranded	24 14		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail		
height	57 mm		
width	45 mm		
depth	73 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		
for grounded parts			
•			

forwardo	0 mm					
— 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					
<ul> <li>during storage</li> </ul>	-40 +85 °C					
during transport	-40 +85 °C					
relative humidity during operation	10 95 %					
Certificates/ approvals						
General Product Approval	EMC		Declaration of Conformity			









**Miscellaneous** 



**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report











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=3RP2025-2AQ30

Cax online generator

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

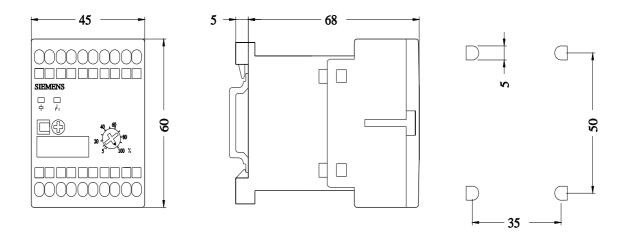
https://support.industry.siemens.com/cs/ww/en/ps/3RP2025-2AQ30

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RP2025-2AQ30&lang=en

**Characteristic: Derating** 

https://support.industry.siemens.com/cs/ww/en/ps/3RP2025-2AQ30/manual



last modified: 12/9/2021 🖸