# SIEMENS

### Data sheet

## 3RT2024-2AL24



power contactor, AC-3 12 A, 5.5 kW / 400 V 2 NO + 2 NC, 230 V AC 50 / 60 Hz, 3-pole Size S0, Spring-type terminal Removable auxiliary switch

product brand name	SIRIUS			
product designation	Power contactor			
product type designation	3RT2			
General technical data				
size of contactor	S0			
product extension				
<ul> <li>function module for communication</li> </ul>	No			
auxiliary switch	No			
power loss [W] for rated value of the current				
<ul> <li>at AC in hot operating state</li> </ul>	0.9 W			
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.3 W			
<ul> <li>without load current share typical</li> </ul>	7.9 W			
insulation voltage				
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V			
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V			
surge voltage resistance				
<ul> <li>of main circuit rated value</li> </ul>	6 kV			
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV			
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V			
shock resistance at rectangular impulse				
• at AC	7,5g / 5 ms, 4,7g / 10 ms			
shock resistance with sine pulse				
• at AC	11,8g / 5 ms, 7,4g / 10 ms			
mechanical service life (switching cycles)				
<ul> <li>of contactor typical</li> </ul>	10 000 000			
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000			
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	10/01/2009			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
during operation	-25 +60 °C			
during storage	-55 +80 °C			
relative humidity minimum	10 %			
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %			

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	40 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	12 A
— at 690 V rated value	9 A
● at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	12 A
— at 690 V rated value	9 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	12.5 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	35.2 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	9.9 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	11.4 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	11.4 A
— up to 500 V for current peak value n=20 rated value	11.3 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	9 A
<ul> <li>at AC-ba</li> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	7.6 A
— up to 690 V for current peak value n=30 rated value	7.6 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	10 mm <sup>2</sup>
cycles at AC-4	
at 400 V rated value	5.5 A
• at 690 V rated value	5.5 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

— at 24 V rated value	35 A				
— at 110 V rated value	35 A				
— at 220 V rated value	35 A				
— at 440 V rated value	2.9 A				
— at 600 V rated value	1.4 A				
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 110 V rated value	2.5 A				
— at 220 V rated value	1 A				
— at 440 V rated value	0.09 A				
— at 600 V rated value	0.06 A				
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	35 A				
— at 110 V rated value	15 A				
— at 220 V rated value	3 A				
— at 440 V rated value	0.27 A				
— at 600 V rated value	0.16 A				
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	35 A				
— at 110 V rated value	35 A				
— at 220 V rated value	10 A				
— at 440 V rated value	0.6 A				
— at 600 V rated value	0.6 A				
operating power					
• at AC-3					
— at 230 V rated value	3 kW				
— at 400 V rated value	5.5 kW				
— at 500 V rated value	5.5 kW				
— at 690 V rated value	7.5 kW				
• at AC-3e					
— at 230 V rated value	3 kW				
— at 400 V rated value	5.5 kW				
— at 500 V rated value	5.5 kW				
— at 690 V rated value	7.5 kW				
operating power for approx. 200000 operating cycles at AC-4					
• at 400 V rated value	2.6 kW				
• at 690 V rated value	4.6 kW				
operating apparent power at AC-6a					
• up to 230 V for current peak value n=20 rated value	4.5 kVA				
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	7.8 kVA				
• up to 500 V for current peak value n=20 rated value	9.8 kVA				
• up to 690 V for current peak value n=20 rated value	10.7 kVA				
operating apparent power at AC-6a					
• up to 230 V for current peak value n=30 rated value	3 kVA				
• up to 400 V for current peak value n=30 rated value	5.2 kVA				
• up to 500 V for current peak value n=30 rated value	6.5 kVA				
• up to 690 V for current peak value n=30 rated value	9 kVA				
short-time withstand current in cold operating state up to 40 °C					
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	210 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	210 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	162 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	102 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	88 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	5 000 1/h				
operating frequency					
• at AC-1 maximum	1 000 1/h				
• at AC-2 maximum	1 000 1/h				
• at AC-3 maximum	1 000 1/h				

• at AC-3e maximum	1 000 1/h
• at AC-3e maximum • at AC-4 maximum	300 1/h
• at AC-4 maximum Control circuit/ Control	
	10
type of voltage of the control supply voltage	AC
control supply voltage at AC	222.14
• at 50 Hz rated value	230 V
at 60 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	68 VA
• at 60 Hz	67 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	
• at 50 Hz	7.9 VA
• at 60 Hz	6.5 VA
inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
instantaneous contact	
	2 2
instantaneous contact number of NO contacts for auxiliary contacts	
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	2
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	2
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	2 10 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	2 10 A 6 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	2 10 A 6 A 3 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	2 10 A 6 A 3 A 2 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	2 10 A 6 A 3 A 2 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	2 10 A 6 A 3 A 2 A 1 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 20 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.9 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 600 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 25 V rated value • at 260 V rated value • at 27 V rated value • at 20 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 220 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 25 V rated value • at 260 V rated value • at 27 V rated value • at 20 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 220 V rated value • at 200 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A

● at 600 V rated value	11 A				
yielded mechanical performance [hp]					
for single-phase AC motor					
— at 110/120 V rated value	1 hp				
— at 230 V rated value	2 hp				
• for 3-phase AC motor					
— at 200/208 V rated value	3 hp				
— at 220/230 V rated value	3 hp				
— at 460/480 V rated value	7.5 hp				
— at 575/600 V rated value	7.5 np 10 hp				
contact rating of auxiliary contacts according to UL					
Short-circuit protection					
design of the fuse link					
<ul> <li>for short-circuit protection of the main circuit</li> </ul>					
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)				
- with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)				
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 10 A (500 V, 1 kA)				
required					
Installation/ mounting/ dimensions					
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted				
fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail				
lastening method	according to DIN EN 60715				
<ul> <li>side-by-side mounting</li> </ul>	Yes				
height	102 mm				
width	45 mm				
depth	144 mm				
required spacing					
<ul> <li>with side-by-side mounting</li> </ul>					
— forwards	10 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	0 mm				
<ul> <li>for grounded parts</li> </ul>					
— forwards	10 mm				
— upwards	10 mm				
— at the side	6 mm				
— downwards	10 mm				
<ul> <li>for live parts</li> </ul>					
— forwards	10 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	6 mm				
Connections/ Terminals					
type of electrical connection					
<ul> <li>for main current circuit</li> </ul>	spring-loaded terminals				
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals				
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals				
of magnet coil	Spring-type terminals				
type of connectable conductor cross-sections					
for main contacts					
— solid	2x (1 10 mm <sup>2</sup> )				
— solid or stranded	2x (1 10 mm <sup>2</sup> )				
— finely stranded with core end processing	2x (1 6 mm <sup>2</sup> )				
— finely stranded without core end processing	2x (1 6 mm <sup>2</sup> )				
at AWG cables for main contacts	2x (18 8)				
connectable conductor cross-section for main contacts					
• solid	1 10 mm²				
stranded	1 10 mm <sup>2</sup>				
<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm <sup>2</sup>				

<ul> <li>finely stranded</li> </ul>	without core end proces	ssina	1 6 mm²				
	ctor cross-section for	-					
contacts		-					
<ul> <li>solid or strande</li> </ul>	ed		0.5 2.5 mm <sup>2</sup>				
-	finely stranded with core end processing			0.5 1.5 mm²			
	<ul> <li>finely stranded without core end processing</li> </ul>		0.5 2.5 mm <sup>2</sup>				
	conductor cross-sect	ions					
<ul> <li>for auxiliary cor</li> </ul>							
— solid or st			2x (0.5 2.5 mm²)				
-	<ul> <li>— finely stranded with core end processing</li> </ul>		2x (0.5 1.5 mm²)				
•	<ul> <li>— finely stranded without core end processing</li> </ul>		2x (0.5 2.5 mm²)				
	at AWG cables for auxiliary contacts		2x (20 14)				
section	AWG number as coded connectable conductor cross section						
<ul> <li>for main contact</li> </ul>			18 8				
<ul> <li>for auxiliary cor</li> </ul>	ntacts		20 14				
Safety related data							
product function							
<ul> <li>mirror contact a</li> </ul>	according to IEC 60947-	4-1	Yes				
<ul> <li>positively drive</li> <li>5-1</li> </ul>	n operation according to	IEC 60947-	No				
B10 value with high c	lemand rate according t	o SN 31920	450 000				
proportion of dange	erous failures						
<ul> <li>with low deman</li> </ul>	nd rate according to SN	31920	40 %				
<ul> <li>with high dema</li> </ul>	ind rate according to SN	31920	73 %				
failure rate [FIT] with 31920	low demand rate accord	ling to SN	100 FIT				
T1 value for proof tes IEC 61508	T1 value for proof test interval or service life according to IEC 61508		20 у				
protection class IP o 60529	protection class IP on the front according to IEC 60529		IP20				
touch protection on	the front according to	IEC 60529	finger-safe, for vertical contact from the front				
suitability for use							
<ul> <li>safety-related s</li> </ul>	witching OFF		Yes				
Certificates/ approval	ls						
General Product Ap	oproval						
() E	<u>Confirmation</u>			(Ψ	<u>KC</u>	EAC	
	Functional						
EMC	Safety/Safety of Machinery	Declaration of	of Conformity		Test Certificates		
RCM	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.		UK CA	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	
Marine / Shipping							
ABS	BUREAU			Hoyd's Register urs	PRS	RINA	
Marine / Shipping	other						

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Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2024-2AL24

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2024-2AL24

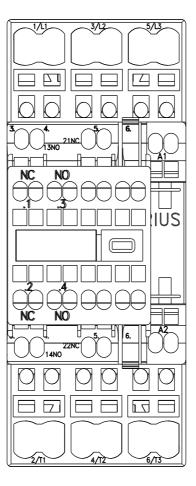
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http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2024-2AL24&lang=en

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2024-2AL24/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2024-2AL24&objecttype=14&gridview=view1



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