## **SIEMENS**

Data sheet 3RT2017-1AN61



Power contactor, AC-3 12 A, 5.5 kW / 400 V 1 NO, 200 V AC, 50 Hz 200-220 V, 60 Hz, 3-pole Size S00, screw terminal

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT2	
General technical data		
size of contactor	S00	
product extension		
<ul> <li>function module for communication</li> </ul>	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
<ul> <li>at AC in hot operating state</li> </ul>	1.5 W	
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W	
<ul> <li>without load current share typical</li> </ul>	6.5 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	
of auxiliary circuit rated value	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	7,3g / 5 ms, 4,7g / 10 ms	
shock resistance with sine pulse		
• at AC	11,4g / 5 ms, 7,3g / 10 ms	
mechanical service life (switching cycles)		
<ul> <li>of contactor typical</li> </ul>	30 000 000	
<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		
<ul> <li>during operation</li> </ul>	-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		
at AC-3 rated value maximum	690 V	
at AC-3e rated value maximum	690 V	
operational current		
at AC-1 at 400 V at ambient temperature 40 °C rated value	22 A	
• at AC-1		
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	22 A	
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	20 A	
• at AC-3		
— at 400 V rated value	12 A	
— at 500 V rated value	9.2 A	
— at 690 V rated value	6.7 A	
• at AC-3e		
— at 400 V rated value	12 A	
— at 500 V rated value	9.2 A	
— at 690 V rated value	6.7 A	
• at AC-4 at 400 V rated value	8.5 A	
• at AC-5a up to 690 V rated value	19.4 A	
at AC-5b up to 400 V rated value	9.9 A	
• at AC-6a		
up to 230 V for current peak value n=20 rated value	7.2 A	
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	7.2 A	
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	7.2 A	
— up to 690 V for current peak value n=20 rated value  value	6.7 A	
<ul> <li>at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	4.8 A	
— up to 400 V for current peak value n=30 rated value	4.8 A	
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	4.8 A	
— up to 690 V for current peak value n=30 rated value	4.8 A	
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	4 mm <sup>2</sup>	
cycles at AC-4		
at 400 V rated value	4.1 A	
at 690 V rated value	3.3 A	
operational current		
• at 1 current path at DC-1		
— at 24 V rated value	20 A	
— at 110 V rated value	2.1 A	
— at 220 V rated value	0.8 A	
— at 440 V rated value	0.6 A	
— at 600 V rated value	0.6 A	
with 2 current paths in series at DC-1	0.07.	
— at 24 V rated value	20 A	
	12 A	
— at 110 V rated value	1.6 A	
— at 220 V rated value		
— at 440 V rated value	0.8 A	
— at 600 V rated value	0.7 A	
<ul> <li>with 3 current paths in series at DC-1</li> </ul>		

— at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  • at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value  operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 690 V rated value • at AC-3e — at 230 V rated value • at AC-3e — at 2500 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 500 V rated value — at 690 V rated value	20 A 20 A 20 A 20 A 1.3 A 1 A  20 A 0.1 A  20 A 0.35 A  20 A 20 A 20 A 20 A 20 A 3 kW 5.5 kW 5.5 kW
- at 220 V rated value - at 440 V rated value - at 600 V rated value  • at 1 current path at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value - at 600 V rated value - at 600 V rated value - at 400 V rated value - at 400 V rated value - at 690 V rated value - at 500 V rated value	20 A 1.3 A 1 A  20 A 0.1 A  20 A 0.35 A  20 A 20 A 20 A 20 A 20 A 20 A 3 kW 5.5 kW
- at 440 V rated value - at 600 V rated value  • at 1 current path at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value  • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value  • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value  operating power  • at AC-3 - at 230 V rated value - at 400 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at AC-3e - at 230 V rated value - at 400 V rated value - at 400 V rated value - at 500 V rated value	1.3 A 1 A 20 A 0.1 A 20 A 0.35 A 20 A 20 A 20 A 1.5 A 0.2 A 0.2 A 0.2 A 3 kW 5.5 kW
<ul> <li>at 1 current path at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	1 A  20 A 0.1 A  20 A 0.35 A  20 A 20 A 20 A 20 A 20 A 1.5 A 0.2 A 0.2 A 0.2 A 0.5 kW
at 1 current path at DC-3 at DC-5  — at 24 V rated value  at 110 V rated value  with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value  at 110 V rated value  with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value  at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  operating power  at AC-3  — at 230 V rated value  — at 400 V rated value  — at 690 V rated value  — at 690 V rated value  — at AC-3e  — at 230 V rated value  at AC-3e  — at 2500 V rated value  — at 500 V rated value	20 A 0.1 A  20 A 0.35 A  20 A 20 A 20 A 20 A 1.5 A 0.2 A 0.2 A 0.2 A 0.5 kW
<ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	0.1 A  20 A 0.35 A  20 A 20 A 20 A 1.5 A 0.2 A 0.2 A  3 kW 5.5 kW
<ul> <li>at 110 V rated value</li> <li>with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value</li> <li>at 110 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at AC-3  — at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3e  — at 230 V rated value</li> <li>at AC-3e  — at 250 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	0.1 A  20 A 0.35 A  20 A 20 A 20 A 1.5 A 0.2 A 0.2 A  3 kW 5.5 kW
with 2 current paths in series at DC-3 at DC-5     — at 24 V rated value     — at 110 V rated value     with 3 current paths in series at DC-3 at DC-5     — at 24 V rated value     — at 110 V rated value     — at 220 V rated value     — at 440 V rated value     — at 600 V rated value      operating power     at AC-3     — at 230 V rated value     — at 400 V rated value     — at 500 V rated value     — at 690 V rated value     — at AC-3e     — at 230 V rated value     at AC-3e     — at 230 V rated value     — at 400 V rated value     — at 500 V rated value	20 A 0.35 A 20 A 20 A 1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
— at 24 V rated value — at 110 V rated value  • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  operating power  • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at AC-3e — at 230 V rated value • at AC-3e — at 2500 V rated value — at 500 V rated value	0.35 A  20 A 20 A 1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
- at 110 V rated value  • with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  operating power  • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at AC-3e — at 230 V rated value • at AC-3e — at 230 V rated value — at 500 V rated value	0.35 A  20 A 20 A 1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  — at 600 V rated value  operating power  at AC-3  — 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 AC-3e  — at 230 V rated value  at AC-3e  — at 250 V rated value  — at 500 V rated value	20 A 20 A 1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
— at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  operating power  • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at AC-3e — at 230 V rated value • at AC-3e — at 250 V rated value — at 400 V rated value — at 500 V rated value	20 A 1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
— at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  operating power  • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value • at AC-3e — at 230 V rated value • at 400 V rated value — at 500 V rated value	20 A 1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
— at 220 V rated value — at 440 V rated value — at 600 V rated value  operating power  • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value • at AC-3e — at 230 V rated value • at 400 V rated value — at 500 V rated value	1.5 A 0.2 A 0.2 A 3 kW 5.5 kW
- at 440 V rated value - at 600 V rated value  operating power  • at AC-3  - at 230 V rated value  - at 400 V rated value  - at 500 V rated value  - at 690 V rated value  • at AC-3e  - at 230 V rated value  - at 400 V rated value  - at 500 V rated value	0.2 A 0.2 A 3 kW 5.5 kW
— at 600 V rated value  operating power  • at AC-3  — at 230 V rated value  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  • at AC-3e  — at 230 V rated value  — at 400 V rated value  — at 500 V rated value	0.2 A  3 kW 5.5 kW 5.5 kW
at AC-3     at 230 V rated value     at 400 V rated value     at 500 V rated value     at 690 V rated value     at AC-3e     at 230 V rated value     at 400 V rated value     at 500 V rated value	3 kW 5.5 kW 5.5 kW
<ul> <li>at AC-3 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>at AC-3e <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul> </li> </ul>	5.5 kW 5.5 kW
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	5.5 kW 5.5 kW
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	5.5 kW 5.5 kW
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	5.5 kW
<ul> <li>at 690 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	
<ul> <li>at AC-3e</li> <li>— at 230 V rated value</li> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> </ul>	5.5 kW
<ul><li>— at 230 V rated value</li><li>— at 400 V rated value</li><li>— at 500 V rated value</li></ul>	
<ul><li>— at 400 V rated value</li><li>— at 500 V rated value</li></ul>	
<ul><li>— at 400 V rated value</li><li>— at 500 V rated value</li></ul>	3 kW
	5.5 kW
— at 690 V rated value	5.5 kW
	5.5 kW
operating power for approx. 200000 operating cycles	
at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	2 kW
at 690 V rated value	2.5 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	2.8 kVA
• up to 400 V for current peak value n=20 rated value	4.9 kVA
• up to 500 V for current peak value n=20 rated value	6.2 kVA
• up to 690 V for current peak value n=20 rated value	8 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1.9 kVA
• up to 400 V for current peak value n=30 rated value	3.3 kVA
• up to 500 V for current peak value n=30 rated value	4.1 kVA
• up to 690 V for current peak value n=30 rated value	5.7 kVA
short-time withstand current in cold operating state	
up to 40 °C	
limited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	10 000 1/h
operating frequency	4.000 4.0
• at AC-1 maximum	1 000 1/h
at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
at AC-4 maximum	250 1/h
ontrol circuit/ Control	
type of voltage of the control supply voltage	
control supply voltage at AC	AC

at 50 Hz rated value	200 V		
at 60 Hz rated value	220 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	36 VA		
• at 60 Hz	43 VA		
inductive power factor with closing power of the coil			
• at 50 Hz	0.8		
• at 60 Hz	0.8		
apparent holding power of magnet coil at AC	•		
• at 50 Hz	5.9 VA		
• at 60 Hz	6.5 VA		
inductive power factor with the holding power of the coil	0.5 VA		
• at 50 Hz	0.24		
• at 60 Hz	0.25		
closing delay			
• at AC	9 35 ms		
opening delay	5 55 Hi		
• at AC	7 13 ms		
arcing time	7 13 ms		
control version of the switch operating mechanism	Standard A1 - A2		
Auxiliary circuit			
number of NO contacts for auxiliary contacts instantaneous contact	1		
operational current at AC-12 maximum	10 A		
operational current at AC-15			
<ul> <li>at 230 V rated value</li> </ul>	10 A		
<ul> <li>at 400 V rated value</li> </ul>	3 A		
• at 500 V rated value	2 A		
• at 690 V rated value	1 A		
operational current at DC-12			
at 24 V rated value	10 A		
at 48 V rated value	6 A		
at 60 V rated value	6 A		
at 110 V rated value	3 A		
at 125 V rated value	2 A		
at 220 V rated value	1 A		
at 600 V rated value	0.15 A		
operational current at DC-13	0.1071		
• at 24 V rated value	10 A		
at 48 V rated value	2 A		
at 48 V rated value     at 60 V rated value	2 A		
• at 110 V rated value	1 A		
at 125 V rated value	0.9 A		
at 220 V rated value	0.3 A		
at 600 V rated value	0.1 A		
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
<ul> <li>at 480 V rated value</li> </ul>	11 A		
at 600 V rated value	11 A		
yielded mechanical performance [hp]			
<ul> <li>for single-phase AC motor</li> </ul>			
— at 110/120 V rated value	0.5 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	10 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
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: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,
	80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
mounting position	forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail
•	according to DIN EN 60715
side-by-side mounting	Yes
height	58 mm
width	45 mm
depth	73 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	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for main contacts	2x (20 16), 2x (18 14), 2x 12
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm <sup>2</sup>
connectable conductor cross-section for auxiliary	0.0 2.0 Hilli
contacts	
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm <sup>2</sup>
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
	, , , , , , , , , , , , , , , , , , , ,

<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12	
AWG number as coded connectable conductor cross section		
for main contacts	20 12	
<ul> <li>for auxiliary contacts</li> </ul>	20 12	
Safety related data		
product function		
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes; with 3RH29	
B10 value with high demand rate according to SN 31920	1 000 000	
proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %	
with high demand rate according to SN 31920	73 %	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
T1 value for proof test interval or service life according to IEC 61508	20 y	
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 switching OFF</li> </ul>	Yes	
Certificates/ approvals		

Certificates/ approvals

## **General Product Approval**



Confirmation





<u>KC</u>



EMC	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

## Marine / Shipping













Marine / Shipping

other



Confirmation



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=3RT2017-1AN61

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1AN61

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AN61">https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AN61</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-1AN61&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-1AN61&lang=en</a>

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AN61/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1AN61&objecttype=14&gridview=view1

last modified: 6/2/2022 🖸