## SIEMENS

## Data sheet

## 3RT2015-2AF01



Power contactor, AC-3 7 A, 3 kW / 400 V 1 NO, 110 V AC, 50/60 Hz 3-pole, Size S00 Spring-type 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 at AC in hot operating state	1.2 W
per pole	0.4 W
power loss [W] for rated value of the current without load current share typical	4.2 W
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 acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 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 acc. to IEC 81346-2	Q
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
<ul> <li>ambient temperature during operation</li> </ul>	-25 +60 °C
<ul> <li>ambient temperature during storage</li> </ul>	-55 +80 °C
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
<ul> <li>operating voltage at AC-3 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>	18 A
● at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	18 A
<ul> <li>— up to 690 V at ambient temperature 60 °C rated value</li> </ul>	16 A
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	6.5 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	15.8 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	5.8 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	4 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	4 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	3.8 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	3.6 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	2.7 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	2.7 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	2.5 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm <sup>2</sup>
rated value operational current for approx. 200000 operating cycles at AC-4	
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value	2.6 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value	
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current	2.6 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1	2.6 A 1.8 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value	2.6 A 1.8 A 15 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value	2.6 A 1.8 A 15 A 1.5 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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	2.6 A 1.8 A 15 A 1.5 A 0.6 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1 — at 24 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value • uth 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1 — at 24 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 0.42 A 15 A 8.4 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1 — at 24 V rated value - at 110 V rated value — at 110 V rated value - at 220 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 240 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 20 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 - 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 • with 2 current paths in series at DC-1 - at 24 V rated value - at 220 V rated value - at 24 V rated value - at 20 V rated value - at 600 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 - at 24 V rated value - at 210 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value • with 2 current paths in series at DC-1 - at 24 V rated value - at 210 V rated value - at 220 V rated value - at 600 V rated value - at 24 V rated value - at 24 V rated value - at 20 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — 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 • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 440 V rated value — at 20 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 24 V rated value • with 3 current paths in series at DC-1 — at 24 V rated value • at 110 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A 15 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 - at 24 V rated value - at 210 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value • with 2 current paths in series at DC-1 - at 24 V rated value - at 220 V rated value - at 220 V rated value - at 24 V rated value - at 440 V rated value - at 600 V rated value - at 220 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 24 V rated value - at 440 V rated value - at 600 V rated value - at 600 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A 15 A 15 A 15 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 - at 24 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value • with 2 current paths in series at DC-1 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 220 V rated value - at 24 V rated value - at 24 V rated value - at 24 V rated value - at 20 V rated value - at 20 V rated value - at 440 V rated value - at 440 V rated value - at 20 V rated value - at 440 V rated value - at 600 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A 15 A 0.5 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 - at 24 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value • with 2 current paths in series at DC-1 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 220 V rated value - at 24 V rated value - at 24 V rated value - at 24 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rated value - at 220 V rated value - at 24 V rated value - at 24 V rated value - at 600 V rated value - at 24 V rated value - at 20 V rated value - at 440 V rated value - at 20 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rated value - at 440 V rated value - at 600 V rated value -	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A 15 A 0.5 A 15 A 0.5 A 15 A 0.7 A
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 - at 24 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 600 V rated value • with 2 current paths in series at DC-1 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 220 V rated value - at 24 V rated value - at 24 V rated value - at 24 V rated value - at 20 V rated value - at 20 V rated value - at 440 V rated value - at 440 V rated value - at 20 V rated value - at 440 V rated value - at 600 V rated value	2.6 A 1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A 15 A 0.5 A

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<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> </ul>	110 V 0.8 1.1 0.85 1.1 27 V·A 24.3 V·A 0.8 0.75				
<ul> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> </ul>	110 V 0.8 1.1 0.85 1.1 27 V·A 24.3 V·A				
<ul> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	110 V 0.8 1.1 0.85 1.1 27 V·A				
at 60 Hz rated value     operating range factor control supply voltage rated     value of magnet coil at AC         at 50 Hz         at 60 Hz     apparent pick-up power of magnet coil at AC         at 50 Hz	110 V 0.8 1.1 0.85 1.1 27 V·A				
<ul> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> </ul>	110 V 0.8 1.1 0.85 1.1 27 V·A				
<ul> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	110 V 0.8 1.1				
<ul> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	110 V 0.8 1.1				
• at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC	110 V 0.8 1.1				
• at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC	110 V				
• at 60 Hz rated value					
at 50 Hz rated value	110 V				
control supply voltage at AC					
type of voltage of the control supply voltage	AC				
Control circuit/ Control					
• at AC-4 maximum	250 1/h				
• at AC-3 maximum	750 1/h				
• at AC-2 maximum	750 1/h				
• at AC-1 maximum	1 000 1/h				
operating frequency					
• at AC	10 000 1/h				
no-load switching frequency					
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	43 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	67 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	120 A; Use minimum cross-section acc. to AC-1 rated value				
up to 40 °C					
short-time withstand current in cold operating state					
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	2.9 kV·A				
• up to 500 V for current peak value n=30 rated value	2.2 kV·A				
<ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	1.8 kV·A				
• up to 230 V for current peak value n=30 rated value	1 kV·A				
operating apparent power at AC-6a					
<ul> <li>up to 500 v for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	4.3 kV·A				
• up to 500 V for current peak value n=20 rated value	3.3 kV·A				
• up to 400 V for current peak value n=20 rated value	2.7 kV·A				
• up to 230 V for current peak value n=20 rated value	1.5 kV·A				
operating apparent power at AC-6a					
at 690 V rated value	1.15 kW				
at 400 V rated value	1.15 kW				
operating power for approx. 200000 operating cycles at AC-4					
— at 690 V rated value	4 kW				
- at 500 V rated value	3 kW				
— at 400 V rated value	3 kW				
— at 230 V rated value	1.5 kW				
• at AC-3					
operating power					
at 600 V rated value	0.14 A				
	0.14 A				
— at 220 V rated value — at 440 V rated value	1.2 A				
— at 220 V rated value					
— at 110 V rated value	15 A 15 A				
with 3 current paths in series at DC-3 at DC-5     — at 24 V rated value	15 A				
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	0.20 M				
— at 110 V rated value	0.25 A				
- at 24 V rated value	15 A				
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					

• at 50 Hz	4.2 V·A		
• at 60 Hz	3.3 V·A		
inductive power factor with the holding power of the coil			
• at 50 Hz	0.25		
• at 60 Hz	0.25		
closing delay			
• at AC	9 35 ms		
opening delay			
• at AC	3.5 14 ms		
arcing time	10 15 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			
• at 230 V rated value	10 A		
• at 400 V rated value	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	10 A		
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>	2 A		
at 60 V rated value			
at 110 V rated value	2 A 1 A		
at 125 V rated value	1 A 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			
at 480 V rated value	4.8 A		
at 600 V rated value	6.1 A		
yielded mechanical performance [hp]			
for single-phase AC motor			
— at 110/120 V rated value	0.25 hp		
— at 230 V rated value	0.75 hp		
• for 3-phase AC motor			
— at 200/208 V rated value	1.5 hp		
— at 220/230 V rated value	2 hp		
— at 460/480 V rated value	3 hp		
— at 575/600 V rated value	5 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: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (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 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			
<ul> <li>side-by-side mounting</li> </ul>	Yes			
height	70 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				
<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				
<ul> <li>for main contacts</li> </ul>				
— solid	2x (0.5 4 mm <sup>2</sup> )			
— solid or stranded	2x (0,5 4 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )			
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)			
at AWG cables for main contacts	2x (20 12)			
connectable conductor cross-section for main contacts				
• solid	0.5 4 mm²			
<ul> <li>stranded</li> </ul>	0.5 4 mm <sup>2</sup>			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 4 mm 0.5 2.5 mm <sup>2</sup>			
<ul> <li>finely stranded with out core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>			
connectable conductor cross-section for auxiliary contacts	0.0 2.0 mm			
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>			
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²			
type of connectable conductor cross-sections				
for auxiliary contacts				
— solid or stranded	2x (0,5 4 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )			
— finely stranded without core end processing	2x (0.5 2.5 mm <sup>2</sup> )			
at AWG cables for auxiliary contacts	2x (20 12)			
AWG number as coded connectable conductor cross section for main contacts	20 12			
AWG number as coded connectable conductor	20 12			

cross section fo	r auxiliary contacts					
Safety related data						
	demand rate acc. to SN	31920 1.0	000 000			
proportion of dang						
	and rate acc. to SN 3192	20 40	%			
			%			
with high demand rate acc. to SN 31920     failure rate [EIT] with low demand rate acc. to SN 31920			0 FIT			
product function	failure rate [FIT] with low demand rate acc. to SN 31920					
-	acc. to IEC 60947-4-1	Ve	s; with 3RH29			
	test interval or service		,			
IEC 61508		20	20 y			
protection class IP on the front acc. to IEC 60529		C 60529 IP2	IP20			
touch protection o	n the front acc. to IEC	60529 fing	ger-safe, for vertical cont	act from the front		
suitability for use sa	fety-related switching O	FF Ye	S			
Certificates/ approva	als					
General Product A					EMC	
eeneral rouder,	ippi o tai				2	
$\mathbf{a}$		$\sim$	KC		~	
<u>(CD</u>	(m)	(111)	<u></u>	FAL	le contra de la co	
NP.				FHI		
CSA	ccc	UL		<b>F11P</b>	RCM	
EMC	Declaration of Con	formity	Test Certificates		Marine / Shipping	
-						
A	"	Miscellaneous	Special Test	Type Test	Same B	
<u>/</u> \(\)			Certificate	Certificates/Test	in the second	
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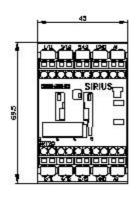
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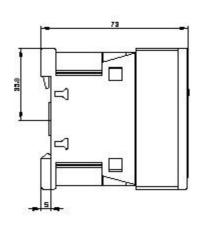
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

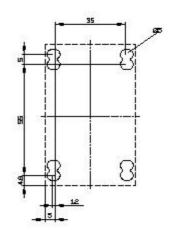
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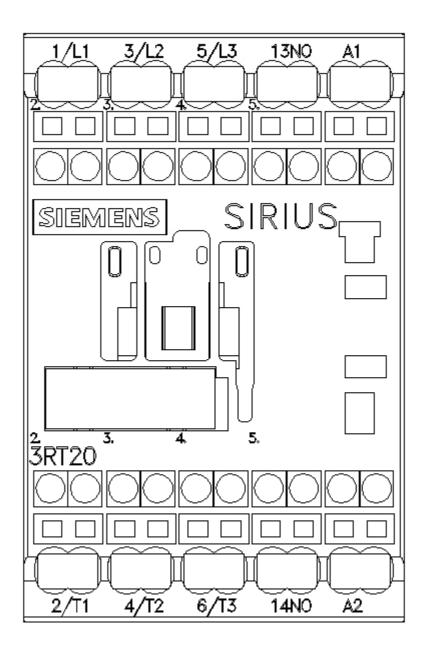
Further characteristics (e.g. electrical endurance, switching frequency)

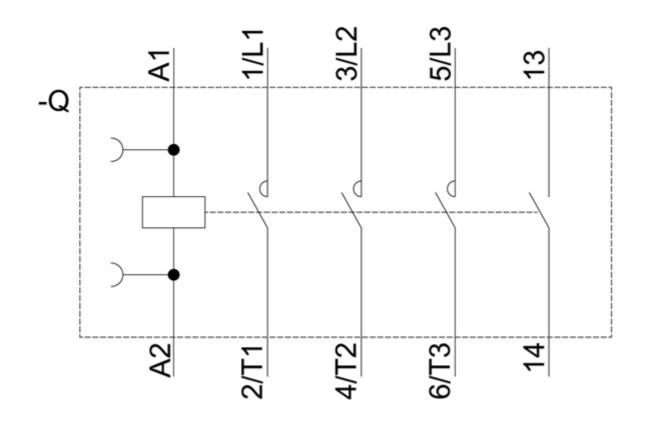












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