## SIEMENS

## Data sheet

## 3RT2017-1AD02



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 42 V AC, 50/60 Hz, auxiliary contacts: 1 NC, screw terminal, size: S00

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>	1.5 W
type of calculation of power loss depending on pole	quadratic
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 protective separation 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 (operating 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
Weight	0.233 kg
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 %

Environmental footprint				
Environmental Product Declaration(EPD)	Yes			
global warming potential [CO2 eq] total	39.6 kg			
global warming potential [CO2 eq] during manufacturing	1.18 kg			
global warming potential [CO2 eq] during operation	38.5 kg			
global warming potential [CO2 eq] after end of life	-0.155 kg			
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> <li>at AC-1</li> </ul>	22 A			
— up to 690 V at ambient temperature 40 °C rated value	22 A			
— up to 690 V at ambient temperature 60 °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 19.4 A			
<ul> <li>at AC-5a up to 690 V rated value</li> <li>at AC-5b up to 400 V rated value</li> </ul>	9.9 A			
• at AC-6a	5.5 A			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	7.2 A			
— up to 400 V for current peak value n=20 rated value	7.2 A			
— up to 500 V for current peak value n=20 rated value	7.2 A			
— up to 690 V for current peak value n=20 rated value	6.7 A			
• at AC-6a				
<ul> <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	4 mm <sup>2</sup>			
operational current for approx. 200000 operating 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 60 V rated value	20 A 20 A			
— at 100 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			
<ul> <li>with 2 current paths in series at DC-1</li> </ul>				
— at 24 V rated value	20 A			
— at 60 V rated value	20 A			
— at 110 V rated value	12 A			
— at 220 V rated value	1.6 A			
— at 440 V rated value	0.8 A			
— at 600 V rated value	0.7 A			

with 3 current paths in series at DC-1					
— at 24 V rated value	20 A				
— at 60 V rated value	20 A				
— at 110 V rated value	20 A				
— at 220 V rated value	20 A				
— at 440 V rated value	1.3 A				
— at 600 V rated value	1 A				
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 60 V rated value	0.5 A				
— at 110 V rated value	0.15 A				
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 60 V rated value	5 A				
— at 110 V rated value	0.35 A				
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 60 V rated value	20 A				
— at 110 V rated value	20 A				
— at 220 V rated value	1.5 A				
— at 440 V rated value	0.2 A				
— at 600 V rated value	0.2 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	5.5 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	5.5 kW				
operating power for approx. 200000 operating cycles at AC- 4					
at 400 V rated value	2 kW				
at 690 V rated value	2.5 kW				
operating apparent power at AC-6a	2.5 KW				
up to 230 V for current peak value n=20 rated value	2.8 kVA				
• up to 200 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 500 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 200 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 500 V for current peak value n=30 rated value	5.7 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>	200 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	123 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	74 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	61 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	10 000 1/h				
operating frequency					
• 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				

<ul> <li>at AC-4 maximum</li> </ul>	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	42 V
at 60 Hz rated value	42 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	07.1/4
• at 50 Hz	37 VA
• at 60 Hz	33 VA
inductive power factor with closing power of the coil • at 50 Hz	0.8
• at 50 Hz • at 60 Hz	0.8
apparent holding power of magnet coil at AC	
• at 50 Hz	5.7 VA
• at 60 Hz	4.4 VA
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	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC 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
<ul> <li>at 500 V rated value</li> </ul>	2 A
-+ 000 \ / / / /	
• at 690 V rated value	1 A
operational current at DC-12	1 A
operational current at DC-12 • at 24 V rated value	1 A 10 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>	1 A 10 A 6 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul>	1 A 10 A 6 A 6 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>	1 A 10 A 6 A 6 A 3 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul>	1 A 10 A 6 A 6 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A
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 • at 125 V rated value • at 220 V rated value • at 600 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
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 • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value operational current at DC-13 • at 24 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A
<ul> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A
<ul> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A
<ul> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 1 A
<ul> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 A
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         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 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	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
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         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 60 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A
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         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 48 V rated value         • at 24 V rated value         • at 25 V rated value         • at 26 V rated value         • at 27 V rated value         • at 60 V rated value         • at 10 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
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         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 600 V rated value         • at 600 V rated value         • at 60 V rated value         • at 60 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 60 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value <td>1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A</td>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
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         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 48 V rated value         • at 48 V rated value         • at 60 V rated value         • at 220 V rated value         • at 110 V rated value         • at 220 V rated value         • at 60 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 200 V     <	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 A 0.3 A 0.1 A C characteristic: 10 A; 0.4 kA 1 faulty switching per 100 million (17 V, 1 mA)
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         • at 125 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 10 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 200 V rated value         • at 480 V rated value         • at 480 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A C characteristic: 10 A; 0.4 kA 1 faulty switching per 100 million (17 V, 1 mA)
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         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 48 V rated value         • at 48 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 110 V rated value         • at 60 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value<	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 A 0.3 A 0.1 A C characteristic: 10 A; 0.4 kA 1 faulty switching per 100 million (17 V, 1 mA)

<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	2 110		
- at 200/208 V rated value	3 bp		
— at 220/230 V rated value	3 hp		
— at 460/480 V rated value	3 hp		
— at 575/600 V rated value	7.5 hp 10 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
for short-circuit protection of the main circuit			
— with type of coordination 1 required	gG: 50A (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 required</li> </ul>	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions	<b>3</b> 0. 1077 (000 1, 1 10.)		
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and		
	backward by +/- 22.5° on vertical mounting surface		
fastening method side-by-side mounting	Yes		
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
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			
<ul> <li>for main current circuit</li> </ul>	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		
<ul> <li>of magnet coil</li> </ul>	Screw-type terminals		
type of connectable conductor cross-sections			
<ul> <li>for main contacts</li> </ul>			
— 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		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>for AWG cables for main contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12		
connectable conductor cross-section for main contacts			
• solid	0.5 4 mm²		
stranded	0.5 4 mm <sup>2</sup>		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>		
connectable conductor cross-section for auxiliary contacts			
<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>		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
— 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>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12				
AWG number as coded connectable conductor cross section					
<ul> <li>for main contacts</li> </ul>	20 12				
<ul> <li>for auxiliary contacts</li> </ul>	20 12				
afety related data					
product function					
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes				
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No				
<ul> <li>suitable for safety function</li> </ul>	Yes				
suitability for use safety-related switching OFF	Yes				
service life maximum	20 a				
test wear-related service life necessary	Yes				
proportion of dangerous failures					
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %				
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %				
B10 value with high demand rate according to SN 31920	1 000 000				
failure rate [FIT] with low demand rate according to SN 31920	100 FIT				
ISO 13849					
device type according to ISO 13849-1	3				
overdimensioning according to ISO 13849-2 necessary	Yes				
IEC 61508					
safety device type according to IEC 61508-2	Туре А				
Electrical Safety					
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				
pprovals Certificates					
General Product Approval					

	EG-Konf.	CA			
General Product Ap- proval	EMV	Test Certificates		Marine / Shipping	
EHC	RCM	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	BUREAU VERITAS
Marine / Shipping					other
	Lloyds Register urs	PRS	RINA	KARS	<u>Miscellaneous</u>
other		Railway	Environment		
<u>Confirmation</u>	<u>Confirmation</u>	Special Test Certific- ate	EPD	Environmental Con- firmations	
Further information	kaging				

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2017-1AD02

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1AD02

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AD0

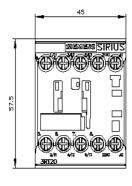
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

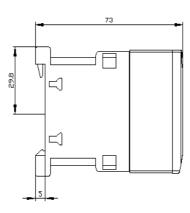
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-1AD02&lang=en

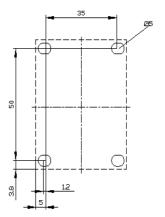
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

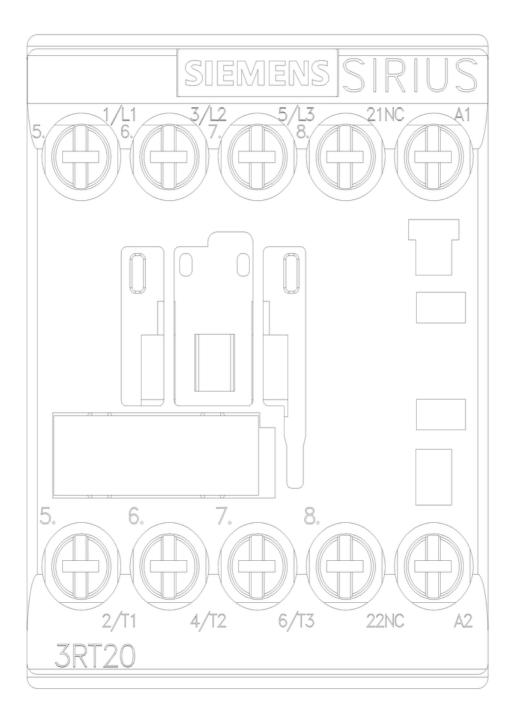
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AD02/char

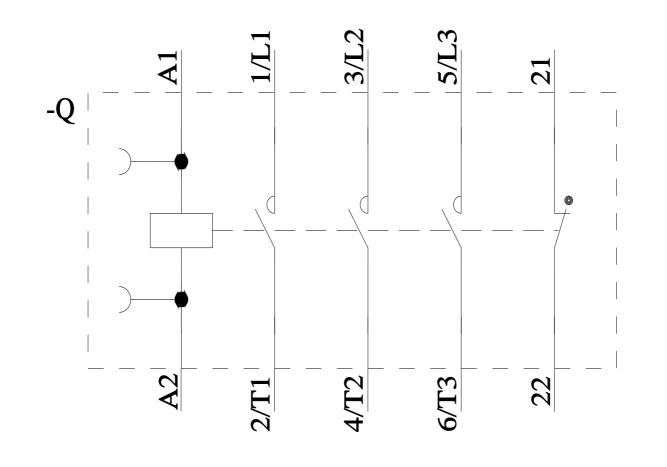
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1AD02&objecttype=14&gridview=view1











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