## SIEMENS

## Data sheet

## 3RT2017-2KG42-0LA0



traction contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 125 V DC, 0.7-1.25\* Us, with integrated suppressor diode, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00, with plugged on series resistor

•	
product brand name	SIRIUS
product designation	Power contactor
design of the product	With extended operating range
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>	3.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.2 W
<ul> <li>without load current share typical</li> </ul>	4 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 protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	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
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-40 +70 °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
• at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	40.4
• at AC-2 at 400 V rated value	12 A
• at AC-3	10.4
— 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	12.4
— 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
ninimum cross-section in main circuit	4 mm²
at maximum AC-1 rated value	4 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 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 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
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 110 V rated value	0.1 A
with 2 current paths in series at DC-3 at DC-5	
- at 24 V rated value	20 A
— at 110 V rated value	0.35 A
with 3 current paths in series at DC-3 at DC-5	
- at 24 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 0.2 A
operating power	V.2 M
	5 5 KM
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	5.5 kW

• 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		
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		
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 DC	1 500 1/h		
operating frequency			
<ul> <li>at AC-2 at AC-3e maximum</li> </ul>	750 1/h		
• at AC-4 maximum	250 1/h		
Control circuit/ Control			
type of voltage	DC		
type of voltage of the control supply voltage	DC		
control supply voltage at DC			
rated value	125 V		
operating range factor control supply voltage rated value of magnet coil at DC			
initial value	0.7		
full-scale value	1.25		
design of the surge suppressor	suppressor diode		
closing power of magnet coil at DC	13 W		
holding power of magnet coil at DC	4 W		
closing delay			
• at DC	25 130 ms		
opening delay			
• at DC	7 20 ms		
arcing time	10 15 ms		
control version of the switch operating mechanism	E1 - A2		
Auxiliary circuit	1		
number of NC contacts for auxiliary contacts	1		
operational current at AC-12 maximum	10 A		
operational current at AC-15 • at 230 V rated value	10 A		
at 230 V rated value     at 400 V rated value	3 A		
at 400 V rated value     at 500 V rated value	2 A		
	1 A		
at 690 V rated value			
<ul> <li>operational current at DC-12</li> <li>at 24 V rated value</li> </ul>	10 A		
at 24 V rated value     at 48 V rated value	6 A		
at 48 V rated value     at 60 V rated value	6 A		
at 50 V rated value     at 110 V rated value	3 A		
	2 A		
<ul> <li>at 125 V rated value</li> </ul>			
at 220 V rated value			
at 220 V rated value     at 600 V rated value	1 A		
at 220 V rated value     at 600 V rated value operational current at DC-13			

<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	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
<ul> <li>at 600 V rated value</li> </ul>	0.1 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	11 A
at 600 V rated value	11 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	
• for 3-phase AC motor	2 hp
- at 200/208 V rated value	2 hr.
	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	
product function short circuit protection	No
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 forward and backward by +/- 22.5° on vertical mounting surface
factoring mathead	
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
side-by-side mounting	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes
side-by-side mounting     height	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm
side-by-side mounting     height     width	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm
side-by-side mounting     height     width     depth	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm
side-by-side mounting     height     width     depth     required spacing	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm
side-by-side mounting     height     width     depth     required spacing         • with side-by-side mounting	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm
side-by-side mounting     height     width     depth     required spacing         • with side-by-side mounting         — forwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting          — forwards          — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm
side-by-side mounting      height      width      depth      ewith side-by-side mounting          — forwards          — upwards          — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm
side-by-side mounting      height      width      depth      required spacing      with side-by-side mounting          — forwards          — upwards          — downwards          — at the side          for grounded parts	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side          for grounded parts              — forwards              — forwards              — at the side          for grounded parts              — forwards              — forwards              — forwards              — at the side              • for grounded parts              — forwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 0 mm 10 mm
side-by-side mounting      height      width      depth      required spacing      with side-by-side mounting          — forwards          — upwards          — downwards          — at the side          for grounded parts	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side          for grounded parts              — forwards              — forwards              — at the side          for grounded parts              — forwards              — forwards              — forwards              — at the side              • for grounded parts              — forwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 0 mm 10 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side          for grounded parts              — forwards              — upwards              — at the side              — forwards              — upwards              — at the side              — forwards              — upwards              — at the side              — forwards              — upwards              — downwards              — at the side              — forwards              — upwards              — downwards              — upwards              — downwards              — upwards              — at the side              — downwards              — with side              — downwards              — with side              — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm
<ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for wards</li> <li>at the side</li> <li>at the side</li> </ul> </li> </ul>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 6 mm
side-by-side mounting      height      width      depth      required spacing      with side-by-side mounting          — forwards          — upwards          — downwards          — at the side      for grounded parts          — forwards          — upwards          — at the side          — forwards          — upwards          — at the side          — forwards          — upwards          — downwards          — at the side          — forwards          — upwards          — downwards          — upwards          — upwards          — downwards          — at the side          — downwards          — at the side          — downwards          — downwards          — at the side          — downwards          — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 6 mm
side-by-side mounting      height      width      depth      required spacing      with side-by-side mounting          — forwards          — upwards          — downwards          — at the side          for grounded parts          — forwards          — upwards          — at the side          — forwards          — upwards          — at the side          — forwards          — at the side          — forwards          — downwards          — at the side          — forwards          — at the side          — forwards          — forwards          — at the side          — forwards          — forwards          — at the side          — forwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side              for grounded parts              — forwards              — upwards              — at the side              — forwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side              for grounded parts              — forwards              — upwards              — at the side              — forwards              — at the side              — forwards              — at the side              • for grounded parts              — forwards              — at the side              — forwards              — forwards              — upwards              — at the side              — forwards              — upwards              — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm
<ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>downwards</li> </ul> </li> </ul>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
<ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>forwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> </ul>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm
<ul> <li>side-by-side mounting</li> <li>height <ul> <li>width</li> </ul> </li> <li>depth</li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>for wards</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>for wards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>for wards</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> </ul> </li> </ul>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side              • for grounded parts              — forwards              — at the side              — forwards              — at the side              — downwards              — at the side              — forwards              — upwards              — at the side              — downwards              — upwards              — at the side              — downwards              — at the side              — downwards              — at the side              — downwards              — mounting              — at the side              — downwards              — mounting              —	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting      height      width      depth      required spacing          with side-by-side mounting              — forwards              — upwards              — downwards              — at the side              for grounded parts              — forwards              — at the side              — downwards              — forwards              — at the side              — downwards              — forwards              — forward	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm
<ul> <li>side-by-side mounting</li> <li>height <ul> <li>width</li> </ul> </li> <li>depth</li> </ul> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> <li>at the side</li> </ul> </li> <li>for wards</li> <li>for live parts</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> <li>for wards</li> <li>for numeration control circuit</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm
<ul> <li>side-by-side mounting</li> <li>height <ul> <li>width</li> </ul> </li> <li>depth</li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>for wards</li> <li>at the side</li> <li>for grounded parts</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>at the side</li> </ul> </li> <li>for live parts <ul> <li>at the side</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for live parts <ul> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 20
side-by-side mounting      height      width      depth      required spacing          • with side-by-side mounting              — forwards              — upwards              — downwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • downwards              — at the side              — downwards              — at the side              • for live parts              — forwards              — at the side              • downwards              — forwards              — at the side              • for auxiliary and control circuit              • for main current circuit              • at contactor for auxiliary contacts             • of magnet coil	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 5 pring-loaded terminals spring-loaded terminals Spring-type terminals Spring-type terminals
side-by-side mounting      height      width      depth      required spacing          • with side-by-side mounting              — forwards              — upwards              — downwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • for grounded parts              — forwards              — at the side              • downwards              — at the side              • for live parts              — forwards              — upwards              — at the side              • for live parts              — forwards              — at the side              • for auxiliary and control circuit              • for main current circuit              • for auxiliary and control circuit              • at contactor for auxiliary contacts              • of magnet coil              type of connectable conductor cross-sections for main contacts	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm 20

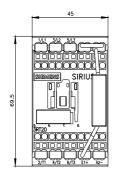
-			2x (0.5 2.5 mm²)			
type of connectable a	vithout core end processing		2x (0.5 2.5 mm²)			
type of connectable C	onductor cross-sections					
<ul> <li>for auxiliary containing</li> </ul>	acts					
— solid or stra	randed 2x (0,5 4 mm		2x (0,5 4 mm²)	. 4 mm²)		
- finely strand			2x (0.5 2.5 mm <sup>2</sup> )			
- finely strand	ded without core end proce	ssing	2x (0.5 2.5 mm²)	•		
<ul> <li>for AWG cables</li> </ul>	or auxiliary contacts		2x (20 12)			
AWG number as code section	ed connectable conductor	cross				
<ul> <li>for main contacts</li> </ul>	S		20 12			
<ul> <li>for auxiliary containing</li> </ul>	acts		20 12			
Safety related data						
product function						
<ul> <li>mirror contact ac</li> </ul>	cording to IEC 60947-4-1		Yes			
<ul> <li>positively driven</li> </ul>	operation according to IEC	60947-5-1	No			
B10 value with high der	mand rate according to SN	31920	1 000 000			
proportion of dangero	ous failures					
<ul> <li>with low demand</li> </ul>	I rate according to SN 3192	20	40 %			
<ul> <li>with high demand</li> </ul>	d rate according to SN 319	20	73 %			
failure rate [FIT] with lov	w demand rate according to	o SN 31920	100 FIT			
T1 value for proof test in 61508	interval or service life accor	ding to IEC	20 a			
protection class IP on	the front according to IE	C 60529	IP20			
touch protection on th	he front according to IEC	60529	finger-safe, for vertical contact	from the front		
Communication/ Protoc	col					
product function bus	communication		No			
Certificates/ approvals						
General Product App	roval					
(CF)	(m)	<b>Confirmatio</b>	n 🦱	KC		
CSA				KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of	(UL)	Test Certificates	EHC	
EMC RCM	Safety/Safety of Ma-		Conformity		Effective Type Test Certific- ates/Test Report	
Ô	Safety/Safety of Ma- chinery Type Examination Cer-	Declaration of	Conformity	Test Certificates		
RCM	Safety/Safety of Ma- chinery Type Examination Cer-	Declaration of	Conformity	Test Certificates		
RCM	Safety/Safety of Ma- chinery Type Examination Cer-	Declaration of	Conformity	Test Certificates		
RCM	Safety/Safety of Ma- chinery Type Examination Cer- tificate	Declaration of UK	Conformity EG-Konf.	Test Certificates		
Marine / Shipping	Safety/Safety of Ma- chinery Type Examination Cer- tificate	Declaration of UK	Conformity EG-Konf.	Test Certificates	ates/Test Report	

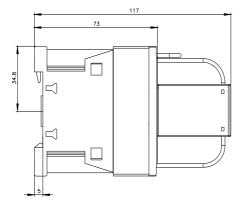
Further information
Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
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=3RT2017-2KG42-0LA0
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2KG42-0LA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,)
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2KG42-0LA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-2KG42-0LA0⟨=en

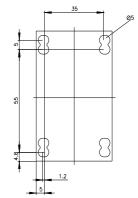
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

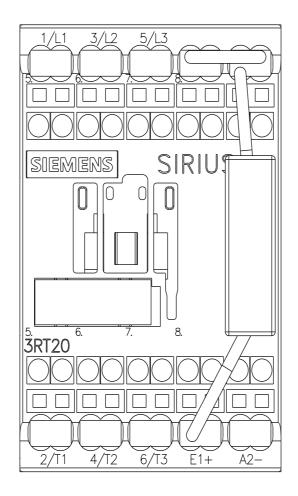
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2KG42-0LA0/char

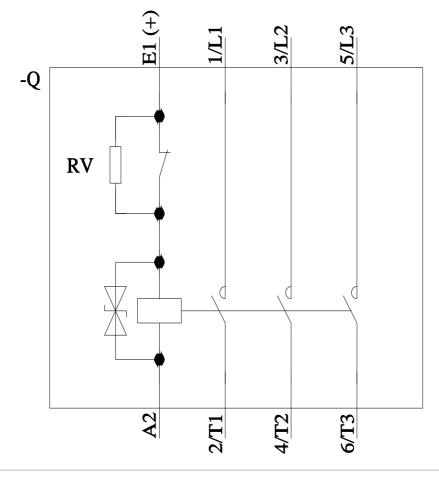
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-2KG42-0LA0&objecttype=14&gridview=view1











## last modified:

11/21/2022 🖸

7/10/2023