SIEMENS

Data sheet 3RT2036-3AP60



power contactor, AC-3 50 A, 22 kW / 400 V 1 NO + 1 NC, 220 V AC 50 Hz / 240 V, 60 Hz, 3-pole, Size S2, Spring-type terminal

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT2	
General technical data		
size of contactor	S2	
product extension		
 function module for communication 	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current at AC in hot operating state	12 W	
• per pole	4 W	
power loss [W] for rated value of the current without load current share typical	18.5 W	
surge voltage resistance		
 of main circuit rated value 	6 kV	
of auxiliary circuit rated value	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	11.8g / 5 ms, 7.4g / 10 ms	
shock resistance with sine pulse		
• at AC	18.5g / 5 ms, 11.6g / 10 ms	
mechanical service life (switching cycles)		
of contactor typical	10 000 000	
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000	
 of the contactor with added auxiliary switch block typical 	10 000 000	
reference code acc. to IEC 81346-2	Q	
Substance Prohibitance (Date)	01.10.2014 00:00:00	
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	
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	

operational current	
 at AC-1 at 400 V at ambient temperature 40 °C 	70 A
rated value	
• at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	70 A
— up to 690 V at ambient temperature 60 °C	60 A
rated value	
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
 at AC-4 at 400 V rated value 	41 A
 at AC-5a up to 690 V rated value 	61.6 A
 at AC-5b up to 400 V rated value 	41.5 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	43.2 A
 up to 400 V for current peak value n=20 rated value 	43.2 A
— up to 500 V for current peak value n=20 rated value	43.2 A
— up to 690 V for current peak value n=20 rated value	24 A
• at AC-6a	28.8 A
— up to 230 V for current peak value n=30 rated value	
— up to 400 V for current peak value n=30 rated value	28.8 A
— up to 500 V for current peak value n=30 rated value	28.8 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm ²
operational current for approx. 200000 operating cycles at AC-4	
 at 400 V rated value 	24 A
at 690 V rated value	20 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1 at 24 V rated value.	55 A
— at 24 V rated value	55 A
— at 110 V rated value	45 A 5 A
— at 220 V rated value	1 A
— at 440 V rated value — at 600 V rated value	0.8 A
at 600 v rated value with 3 current paths in series at DC-1	0.0 A
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
operational current	
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A
4(2) V 14(04 VAIA0	

— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	55 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
• at AC-2 at 400 V rated value	22 kW
• at AC-3	
— at 230 V rated value	15 kW
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	12.6 kW
at 400 V rated value at 690 V rated value	18.2 kW
operating apparent power at AC-6a	IO.Z RVV
• up to 230 V for current peak value n=20 rated value	17.2 kV·A
 up to 400 V for current peak value n=20 rated value 	29.9 kV·A
• up to 500 V for current peak value n=20 rated value	37.4 kV·A
• up to 690 V for current peak value n=20 rated value	28.6 kV·A
operating apparent power at AC-6a	200.000
up to 230 V for current peak value n=30 rated value	11.4 kV·A
• up to 400 V for current peak value n=30 rated value	19.9 kV·A
 up to 500 V for current peak value n=30 rated value 	24.9 kV·A
up to 690 V for current peak value n=30 rated value	28.6 kV·A
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	937 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum	282 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	229 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	F 000 4/L
• at AC	5 000 1/h
operating frequency	4 000 4/h
at AC 2 maximum	1 000 1/h
 at AC-2 maximum at AC-3 maximum 	600 1/h 800 1/h
at AC-3 maximum at AC-4 maximum	800 1/h 250 1/h
	230 1/11
Control circuit/ Control	10
type of voltage of the control supply voltage	AC
control supply voltage at AC • at 50 Hz rated value	220 V
at 60 Hz rated value at 60 Hz rated value	240 V
operating range factor control supply voltage rated	270 V
value of magnet coil at AC	
● at 50 Hz	0.8 1.1

apparent pick-up power of magnet coil at AC at 50 Hz 212 V A 188 V A 188 V A A 1				
at 80 Hz at 80 Hz Inductive power factor with closing power of the coil at 80 Hz at 80 Hz apparent holding power of magnet coil at AC at 80 Hz	● at 60 Hz	0.8 1.1		
a at 60 Hz	apparent pick-up power of magnet coil at AC			
Inductive power factor with closing power of the coil 0.89 0.85	● at 50 Hz	212 V·A		
a at 50 Hz apparent holding power of magnet coil at AC at 50 Hz to 150 Hz to	• at 60 Hz	188 V·A		
a # 160 Hz apparent holding power of magnet coil at AC a # 150 Hz a # 160 Hz	inductive power factor with closing power of the coil			
apparent holding power of magnet coil at AC • at 50 Hz at 60 Hz 10.36 • at 60 Hz 0.39 closing delay • at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 600 V rated value • at 600 V rated value • at 100 V r	• at 50 Hz	0.69		
* at 50 Hz	● at 60 Hz			
* at 50 Hz	apparent holding power of magnet coil at AC			
a ti 50 Hz		18.5 V·A		
Inductive power factor with the holding power of the coil at 50 Hz	● at 60 Hz	16.5 V·A		
a 15 0 Hz				
closing delay				
closing delay	● at 50 Hz	0.36		
at AC	• at 60 Hz	0.39		
at AC	closing delay			
acting time		10 80 ms		
acting time	opening delay			
arcing time		10 18 ms		
Control version of the switch operating mechanism Standard A1 - A2				
Auxiliary circuit number of NC contacts for auxiliary contacts 1				
number of NC contacts for auxiliary contacts instantaneous contact instantaneous contact 1 1 1 1 1 1 1 1 1				
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 890 V rated value • at 890 V rated value • at 80 V rated value • at 80 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 250 V rated value • at 200 V rated value • at 200 V rated value • at 60 V rated value • at 44 V rated value • at 60 V rated value • at 110 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 20 V rated value • at 60 V rated valu		1		
number of NO contacts for auxilliary contacts instantaneous contact				
Operational current at AC-12 maximum 10 A	number of NO contacts for auxiliary contacts	1		
Operational current at AC-15		10 A		
■ at 400 V rated value ■ at 590 V rated value ■ at 690 V rated value ■ at 690 V rated value ■ at 690 V rated value ■ at 24 V rated value ■ at 48 V rated value ■ at 48 V rated value ■ at 48 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 125 V rated value ■ at 220 V rated value ■ at 220 V rated value ■ at 80 V rated value ■ at 80 V rated value ■ at 144 V rated value ■ at 147 V rated value ■ at 148 V rated value ■ at 48 V rated value ■ at 48 V rated value ■ at 110 V rated value ■ at 125 V rated value ■ at 125 V rated value ■ at 125 V rated value ■ at 120 V rated value ■ at 220 V rated value ■ at 220 V rated value □ at 220 V rated value □ at 280 V rated value □ at 480 V rated value □ at 200 V rated value □ at 1101/120 V rated value □ at 200 V rated v	•	10 A		
• at 500 V rated value • at 690 V rated value 1 A operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 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 600 V rated value • at 100 V rated value • at 100 V rated value • at 220 V rated value • at 250 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 480 V rated value • 52 A yielded mechanical performance [hp] • for single-phase AC motor • at 230 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value				
• at 690 V rated value 1 A operational current at DC-12 • at 24 V rated value 6 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 0.15 A operational current at DC-13 • at 24 V rated value 10 A • at 48 V rated value 2 A • at 24 V rated value 2 A • at 600 V rated value 10 A • at 600 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 10 A • at 48 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 1 A • at 220 V rated value 1 A • at 280 V rated value 1 A • at 280 V rated value 1 A • at 480 V rated value 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 52 A • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 1101/20 V rated value 10 hp • for 3-phase AC motor — at 230 V rated value 10 hp • for 3-phase AC motor — at 200/208 V rated value 15 hp				
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 80 V rated value • at 24 V rated value • at 8 V rated value • at 80 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 250 V rated value • at 250 V rated value • at 600 V rated value • at 80 V rated value • at 600 V rated value • at 80 V rated value • at 600 V rated value • 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200/208 V rated value • 15 hp				
 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 724 V rated value at 24 V rated value at 34 V rated value at 10 A at 48 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 20 V rated value at 20 V rated value at 600 V rated value at 600 V rated value at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 72 A at 100 V rated value 52 A at 100 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 200 V rated value at 200 V rated value 10 hp for 3-phase AC motor at 200/208 V rated value 15 hp 	•	10 A		
 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 operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 10 A at 48 V rated value at 10 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 30 A at 60 0 V rated value at 25 V rated value at 3 A at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value full-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value 52 A at 600 V rated value 52 A at 600 V rated value 52 A at 10/120 V rated value for single-phase AC motor at 230 V rated value at 200/208 V rated value 15 hp 				
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 48 V rated value at 10 V rated value at 60 V rated value at 48 V rated value at 10 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 320 V rated value at 300 V rated value at 600 V rated value at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value at 480 V rated value at 220 V rated value at 480 V rated value at 24 V rated value at 480 V rated value at 25 A at 10/120 V rated value at 20 V rated va				
 at 125 V rated value at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 220 V rated value at 3 hp at 230 V rated value at 200 V rated				
 at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 22 A at 600 V rated value at 100 V rated value at 220 V rated value at 220 V rated value at 22 A at 3 A at 100 V rated value at 20 V rated value at 20 V rated value at 3 A at 20 V rated value bfor 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value 				
• at 600 V rated value				
operational current at DC-13 • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 1 A • at 110 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 52 A full-load current (FLA) for 3-phase AC motor 52 A • at 480 V rated value 52 A • at 600 V rated value 52 A yielded mechanical performance [hp] 6 for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor 15 hp				
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 700 V rated value at 700 V rated value at 700 V rated value at 230 V rated value at 230 V rated value at 230 V rated value at 200/208 V rated value at 5 hp 		0.15 A		
 at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 72 A at 600 V rated value at 72 A at 73 A at 74 A at 75 A 	•			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at at 250 V rated value at 30 V rated value at 400 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 72 A at 10/120 V rated value at 230 V rated value at 230 V rated value at 230 V rated value at 200/208 V rated value at 200/208 V rated value 55 A 				
 at 110 V rated value at 125 V rated value at 220 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value at 200/208 V rated value 15 hp 	at 48 V rated value			
 at 125 V rated value at 220 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 	at 60 V rated value	2 A		
 at 220 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 	• at 110 V rated value	1 A		
 at 600 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 	 at 125 V rated value 	0.9 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 • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 15 hp	 at 220 V rated value 	0.3 A		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	at 600 V rated value	0.1 A		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 15 hp	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 15 hp	UL/CSA ratings			
 at 480 V rated value at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 				
● at 600 V rated value yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value 15 hp		52 A		
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor — at 200/208 V rated value 15 hp				
 for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp for 3-phase AC motor — at 200/208 V rated value 15 hp 				
 at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 				
 — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 10 hp 15 hp 		3 hn		
 for 3-phase AC motor — at 200/208 V rated value 15 hp 				
— at 200/208 V rated value 15 hp		10 lip		
	·	15 hn		
at 220/220 V rated value				
— at 220/230 V rated value 15 hp	— at 220/250 V rated value	10 110		

	40.1		
— at 460/480 V rated value	40 hp		
— at 575/600 V rated value	50 hp		
contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
for short-circuit protection of the main circuit			
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)		
 — with type of assignment 2 required 	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)		
 for short-circuit protection of the auxiliary switch required 	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		
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
side-by-side mounting	Yes		
height	114 mm		
width	55 mm		
depth	130 mm		
required spacing			
 with side-by-side mounting 			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
 for grounded parts 			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
for live parts			
— 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		
for auxiliary and control circuit	spring-loaded terminals		
at contactor for auxiliary contacts	Spring-type terminals		
of magnet coil	Spring-type terminals Spring-type terminals		
type of connectable conductor cross-sections	Opining type terminals		
for main contacts			
solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)		
 finely stranded with core end processing at AWG cables for main contacts 	2x (1 25 mm²), 1x (1 35 mm²)		
connectable conductor cross-section for main	2x (18 2), 1x (18 1)		
contacts	4 0- 0		
finely stranded with core end processing	1 35 mm²		
connectable conductor cross-section for auxiliary contacts			
 solid or stranded 	0.5 2.5 mm²		
 finely stranded with core end processing 	0.5 1.5 mm²		
finely stranded without core end processing	0.5 2.5 mm²		
type of connectable conductor cross-sections			
for auxiliary contacts			
— solid or stranded	2x (0.5 2.5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²)		
, ,			

 finely stranded without core end processing 	2x (0.5 2.5 mm²)		
 at AWG cables for auxiliary contacts 	2x (20 14)		
AWG number as coded connectable conductor cross section			
for main contacts	18 1		
for auxiliary contacts	20 14		
Safety related data			
product function mirror contact acc. to IEC 60947-4-1	Yes		
B10 value with high demand rate acc. to SN 31920	1 000 000		
proportion of dangerous failures			
 with low demand rate acc. to SN 31920 	40 %		
 with high demand rate acc. to SN 31920 	73 %		
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT		
product function positively driven operation acc. to IEC 60947-5-1	No		
T1 value for proof test interval or service life acc. to IEC 61508	20 y		
protection class IP on the front acc. to IEC 60529	IP20		
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front		
suitability for use			
 safety-related switching OFF 	Yes		
Certificates/ approvals			
General Product Approval		EMC	







<u>KC</u>





Functional Safety/Safety of Machinery	Declaration of Conformity		Test Certificates		Marine / Shipping
Type Examination Certificate	UK Declaration of Conformity		Type Test Certificates/Test Report	Special Test Certificate	ABS

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=3RT2036-3AP60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-3AP60

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

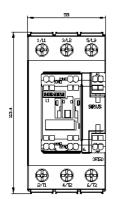
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-3AP60

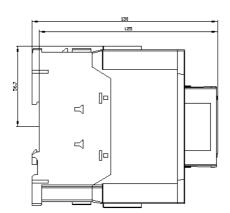
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2036-3AP60&lang=en

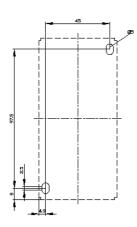
Characteristic: Tripping characteristics, I2t, Let-through current

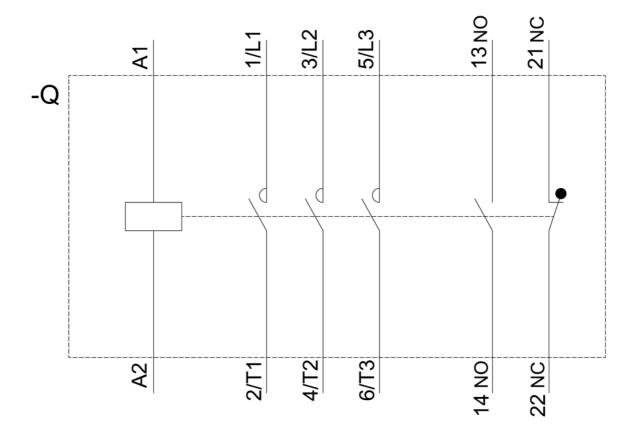
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-3AP60/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-3AP60&objecttype=14&gridview=view1









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