SIEMENS

Data sheet 3RT1054-6AD36





power contactor, AC-3e/AC-3 115 A, 55 kW / 400 V, AC (50-60 Hz) / DC Uc: 42-48 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal



product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S6
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 	21 W
 at AC in hot operating state per pole 	7 W
 without load current share typical 	5.2 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating 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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1
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 %
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	1 000 V
• at AC-3e rated value maximum	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	160 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	160 A
— up to 690 V at ambient temperature 60 °C rated value	140 A
— up to 1000 V at ambient temperature 40 °C rated value	80 A
 up to 1000 V at ambient temperature 60 °C rated value at AC-3 	80 A
— at 400 V rated value	115 A
— at 500 V rated value	115 A
— at 690 V rated value	115 A
— at 1000 V rated value	53 A
• at AC-3e	
— at 400 V rated value	115 A
— at 500 V rated value	115 A
— at 690 V rated value	115 A
— at 1000 V rated value	53 A
• at AC-4 at 400 V rated value	97 A
• at AC-5a up to 690 V rated value	140 A
• at AC-5b up to 400 V rated value	95 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	115 A
 up to 400 V for current peak value n=20 rated value 	115 A
 up to 500 V for current peak value n=20 rated value 	115 A
 up to 690 V for current peak value n=20 rated value 	115 A
 up to 1000 V for current peak value n=20 rated value 	53 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	98 A
— up to 400 V for current peak value n=30 rated value	98 A
— up to 500 V for current peak value n=30 rated value	98 A
— up to 690 V for current peak value n=30 rated value	98 A
— up to 1000 V for current peak value n=30 rated value	53 A
minimum cross-section in main circuit at maximum AC-1 rated value	70 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	54 A
at 690 V rated value	48 A
operational current • at 1 current path at DC-1	
- at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 50 V rated value — at 110 V rated value	18 A
	3.4 A
— at 220 V rated value — at 440 V rated value	0.8 A
	0.5 A
— at 600 V rated value	U.U A

	with 2 current paths in series at DC-1	
• with 3 current paths in series at DC-1		
		1.6 A
	•	
- at 440 V rated value		
at 800 V rated value		
— alt 24 V rated value — at 60 V rated value — at 60 V rated value — at 40 V rated value — at 40 V rated value — at 60 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 80 V rated value — at 10 V rated value — at 10 V rated value — at 44 V rated value — at 44 V rated value — at 40 V rated value — at 60 V rated value — at 10 V rated value — at 100 V rated value — at 22 V rated value — at 20 V rated value — at 50 V rated value — at 40 V rated value — 40 50 V		4 A
	-	
	— at 24 V rated value	
	— at 60 V rated value	
	— at 220 V rated value	0.6 A
with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 100 V rated value — at 1110 V rated value — at 200 V rated value — at 220 V rated value — at 420 V rated value — at 420 V rated value — at 420 V rated value — at 600 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value — at 500 V rated value — at 600 V rated value —	— at 440 V rated value	0.17 A
at 24 V rated value		0.12 A
	 with 2 current paths in series at DC-3 at DC-5 	
at 110 V rated value 2.5 A	— at 24 V rated value	160 A
at 220 V rated value	— at 60 V rated value	160 A
at 440 V rated value	— at 110 V rated value	160 A
with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value	— at 220 V rated value	2.5 A
with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 1110 V rated value — at 1110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 230 V rated value — at 230 V rated value — at 230 V rated value — at 250 V rated value — at 250 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 600 V rated value — at 230 V rated value — at 600 V rated v	— at 440 V rated value	0.65 A
	— at 600 V rated value	0.37 A
	 with 3 current paths in series at DC-3 at DC-5 	
- at 110 V rated value 160 A - at 220 V rated value 1.4 A - at 600 V rated value 0.75 A operating power • at AC-3 - at 230 V rated value 37 kW - at 400 V rated value 55 kW - at 690 V rated value 75 kW - at 230 V rated value 75 kW - at 250 V rate	— at 24 V rated value	160 A
- at 220 V rated value	— at 60 V rated value	160 A
	— at 110 V rated value	160 A
operating power	— at 220 V rated value	160 A
• at AC-3 — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rated value — at 230 V rated value — at 240 V rated value — at 400 V rated value — at 55 kW — at 500 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rated value — at 690 V	— at 440 V rated value	1.4 A
• at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — 25 kW — at 400 V rated value — 29 kW • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=30 rated value • up to 200 V for current peak value n=30 rated value • up to 200 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value	— at 600 V rated value	0.75 A
- at 230 V rated value	operating power	
- at 400 V rated value	• at AC-3	
- at 500 V rated value	— at 230 V rated value	37 kW
- at 690 V rated value	— at 400 V rated value	55 kW
- at 1000 V rated value • at AC-3e - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 690 V for current peak value n=20 rated value - up to 230 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=30 rated value - up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value	— at 500 V rated value	75 kW
at AC-3e — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value — at 690 V value — at 690 V rated va	— at 690 V rated value	110 kW
- at 230 V rated value 37 kW - at 400 V rated value 55 kW - at 500 V rated value 75 kW - at 690 V rated value 110 kW - at 1000 V rated value 75 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 29 kW • at 690 V rated value 48 kW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 80 000 VA • up to 500 V for current peak value n=20 rated value 100 000 VA • up to 690 V for current peak value n=20 rated value 130 000 VA • up to 1000 V for current peak value n=20 rated value 90 000 VA • up to 1000 V for current peak value n=20 rated value 130 000 VA • up to 1000 V for current peak value n=20 rated value 90 000 VA • up to 1000 V for current peak value n=30 rated value 90 000 VA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 60 000 VA	— at 1000 V rated value	75 kW
- at 400 V rated value	• at AC-3e	
- at 500 V rated value - at 690 V rated value - at 1000 V rated value 75 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value	— at 230 V rated value	37 kW
- at 690 V rated value - at 1000 V rated value 75 kW operating power for approx. 200000 operating cycles at AC- 4 • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value 60 000 VA	— at 400 V rated value	55 kW
— at 1000 V rated value operating power for approx. 200000 operating cycles at AC- at 400 V rated value at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value operating apparent power at AC-6a o	— at 500 V rated value	75 kW
operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value	— at 690 V rated value	110 kW
at 400 V rated value at 690 V rated value 48 kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value 40 000 kVA up to 400 V for current peak value n=20 rated value 40 000 VA up to 500 V for current peak value n=20 rated value 100 000 VA up to 690 V for current peak value n=20 rated value 130 000 VA up to 1000 V for current peak value n=20 rated value 90 000 VA up to 230 V for current peak value n=30 rated value 90 000 VA operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 60 000 VA	— at 1000 V rated value	75 kW
 at 400 V rated value at 690 V rated value 48 kW Operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 0000 VA 	operating power for approx. 200000 operating cycles at AC-	
 at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 0000 VA 	4	
operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • 0000 VA		
 up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 60 000 VA 		48 kW
 up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value opov VA 		
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 60 000 VA 		
 up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 90 000 VA Operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 60 000 VA 		
 up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 60 000 VA 		
 operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 60 000 VA 		
 up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 60 000 VA 		90 000 VA
• up to 400 V for current peak value n=30 rated value 60 000 VA		
• up to 500 V for current peak value n=30 rated value 80 000 VA		
	up to 500 V for current peak value n=30 rated value	80 000 VA

• up to 690 V for current peak value n=30 rated value	110 000 VA
 up to 1000 V for current peak value n=30 rated value 	90 000 VA
short-time withstand current in cold operating state up to	
40 °C	
 limited to 1 s switching at zero current maximum 	2 565 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	1 654 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	1 170 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	729 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	572 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	400 1/h
• at AC-3 maximum	1 000 1/h
at AC-3e maximum	1 000 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
 at 50 Hz rated value 	42 48 V
at 60 Hz rated value	42 48 V
control supply voltage at DC rated value	
•	42 48 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power	
 at minimum rated control supply voltage at AC 	
— at 50 Hz	250 VA
— at 60 Hz	250 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	300 VA
— at 50 Hz	300 VA
apparent pick-up power of magnet coil at AC	000 11.
at 50 Hz	300 \/A
	300 VA
• at 60 Hz	300 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power	
 at minimum rated control supply voltage at DC 	4.3 VA
at maximum rated control supply voltage at DC	5.2 VA
apparent holding power	
 at minimum rated control supply voltage at AC 	
— at 50 Hz	4.8 VA
— at 60 Hz	4.8 VA
at maximum rated control supply voltage at AC	
— at 50 Hz	5.8 VA
— at 60 Hz	5.8 VA
inductive power factor with the holding power of the coil	
at 50 Hz	0.8
• at 60 Hz	0.8
closing power of magnet coil at DC	360 W
holding power of magnet coil at DC	5.2 W

closing delay	
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	
• at AC	40 60 ms
• at DC	40 60 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	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 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	0.10 A
at 24 V rated value	10 A
	2 A
at 48 V rated value	
at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	124 A
at 600 V rated value	125 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	25 hp
• for 3-phase AC motor	
— at 200/208 V rated value	40 hp
— at 220/230 V rated value	50 hp
— at 460/480 V rated value	100 hp
— at 575/600 V rated value	125 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: 355 A (690 V, 100 kA)
with type of assignment 2 required	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	go. 1071 (000 1, 1.10 l)
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	172 mm
width	120 mm
WINGI	124 mill

depth	170 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— upwards — at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	17 mm
thickness of connection bar	3 mm
diameter of holes	9 mm
number of holes	1
type of connectable conductor cross-sections	
 for AWG cables for main contacts 	4 250 kcmil
connectable conductor cross-section for main contacts	
• stranded	25 120 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross	
section	
for auxiliary contacts	18 14
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
 positively driven operation according to IEC 60947-5-1 	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
	160
proportion of dangerous failures	40.94
with low demand rate according to SN 31920 with high demand rate according to SN 31920	40 %
with high demand rate according to SN 31920 PAGE value with high demand rate according to SN 34920	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	
120 0 1000	

safety device type according to IEC 61508-2	Type A
T1 value	
 for proof test interval or service life according to IEC 61508 	20 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Approvals Certificates	

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

Functional Saftey

Test Certificates

Marine / Shipping



Type Examination Cer**tificate**

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report





Marine / Shipping





other

Confirmation

Confirmation

Miscellaneous

Railway

Environment

Special Test Certific-<u>ate</u>



Siemens **EcoTech**



Environmental Con-<u>firmations</u>

Further information

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=3RT1054-6AD36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-6AD36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6AD36

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

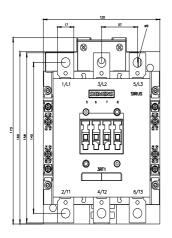
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1054-6AD36&lang=en

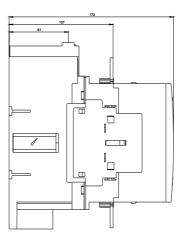
Characteristic: Tripping characteristics, I2t, Let-through current

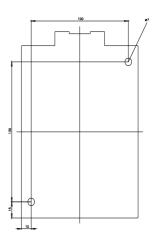
https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6AD36/char

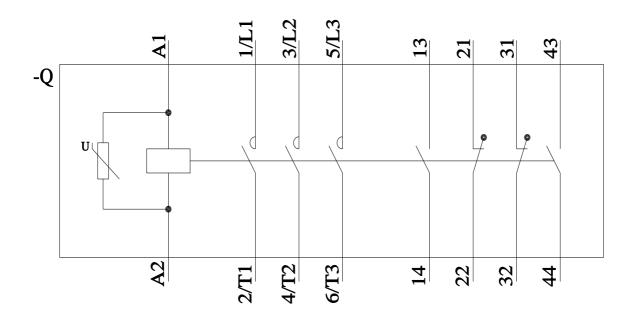
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1054-6AD36&objecttype=14&gridview=view1









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