SIEMENS

Data sheet 3RT1075-6AS36

SIRIUS





power contactor, AC-3e/AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC Uc: 500-550 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	S12
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 	105 W
 at AC in hot operating state per pole 	35 W
 without load current share typical 	10 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
Weight	10.245 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	769 kg
global warming potential [CO2 eq] during manufacturing	55.8 kg
global warming potential [CO2 eq] during sales	2.54 kg
global warming potential [CO2 eq] during operation	718 kg
global warming potential [CO2 eq] after end of life	-7.03 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
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	430 A
• at AC-1	420.4
— up to 690 V at ambient temperature 40 °C rated value	430 A
— up to 690 V at ambient temperature 60 °C rated value	400 A
— up to 1000 V at ambient temperature 40 °C rated value	200 A
 up to 1000 V at ambient temperature 60 °C rated value at AC-3 	200 A
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	180 A
• at AC-3e	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	180 A
• at AC-4 at 400 V rated value	350 A
• at AC-5a up to 690 V rated value	378 A
• at AC-5b up to 400 V rated value	332 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	395 A
— up to 400 V for current peak value n=20 rated value	395 A
— up to 500 V for current peak value n=20 rated value	395 A
— up to 690 V for current peak value n=20 rated value	395 A
— up to 1000 V for current peak value n=20 rated value	180 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	264 A
— up to 400 V for current peak value n=30 rated value	264 A
— up to 500 V for current peak value n=30 rated value	264 A
up to 690 V for current peak value n=30 rated valueup to 1000 V for current peak value n=30 rated	264 A 180 A
value minimum cross-section in main circuit at maximum AC-1 rated value	300 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	150 A

operational current • at 1 current path at DC-1 — at 10 V rated value — at 10 V rated value — at 10 V rated value — 33 A — at 22 V rated value — 33 A — at 220 V rated value — 34 60 V rated value — 45 60 V rated value — 46 70 V rated value — 47 V rated value — 48 V r	at 600 V rated value	135 A
■ at 5 current path at DC-1 — 21 20 V rated value — 330 A — 31 10 V virated value — 330 A — 320 V virated value — 330 A — 41 440 V virated value — 34 60 V virated value — 38 A — 41 440 V virated value — 41 60 V virated value — 52 A — 41 60 V virated value — 52 A — 41 60 V virated value — 52 A — 41 60 V virated value — 52 A — 51 60 V virated value — 51 60 V virat	at 690 V rated value	135 A
	-	
	-	400 A
■ INTERPRETATION STATE		
		0.6 A
	-	
at 110 V rated value		
■ with 3 current paths in series at DC-1 — at 24 V rated value 400 A — at 50 V rated value 400 A — at 110 V rated value 400 A — at 1220 V rated value 400 A — at 440 V rated value 11 A — at 600 V rated value 52 A — at 60 V rated value 400 A — at 60 V rated value 11 A — at 60 V rated value 11 A — at 60 V rated value 0.6 A — at 60 V rated value 0.8 A — at 440 V rated value 0.18 A — at 600 V rated value 0.18 A — at 600 V rated value 400 A — at 600 V rated value 400 A — at 600 V rated value 400 A — at 600 V rated value 2.5 A — at 440 V rated value 0.85 A — at 440 V rated value 0.85 A — at 60 V rated value 0.85 A — at 60 V rated value 400 A — at 60 V rated value 400 A — at 220 V rated value 400 A — at 220 V rated value 400 A <t< th=""><th></th><th></th></t<>		
with 3 current paths in series at DC-1 — at 62 V Trated value — at 610 V Trated value — at 100 V Trated value — at 210 V Trated value — at 220 V Trated value — at 240 V Trated value — at 240 V Trated value — at 240 V Trated value — at 260 V Trated value — at 260 V Trated value — at 27 V Trated value — at 27 V Trated value — at 220 V Trated value — at 220 V Trated value — at 220 V Trated value — at 240 V Trated value — at 250 V Trated value — at 260 V T		
		2 A
	•	
• at 1 current path at DC-3 at DC-5 - at 124 V rated value - at 60 V rated value - at 600 V rated value - at 60 V rated value - at 10 V rated value - at 10 V rated value - at 110 V rated value - at 1220 V rated value - at 220 V rated value - at 220 V rated value - at 220 V rated value - at 60 V rated value - at 600 V rated value -	— at 220 V rated value	
• at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 800 V rated value — at 220 V rated value — at 220 V rated value — at 400 V rated value — at 800 V rated value — at 110 V rated value — at 110 V rated value — at 1200 V rated value — at 800	— at 440 V rated value	
at 24 V rated value		5.2 A
	• at 1 current path at DC-3 at DC-5	
at 220 V rated value	— at 24 V rated value	400 A
at 440 V rated value at 600 V rated value at 24 V rated value at 26 V rated value at 60 V rated value at 20 V rated value at 220 V rated value at 600 V rated value at 400 V rated value at 400 V rated value at 400 V rated value at 600	— at 60 V rated value	11 A
■ with 2 current paths in series at DC-3 at DC-5 ■ at 24 V rated value ■ at 60 V rated value ■ at 60 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 440 V rated value ■ at 600 V rated value ■ at 60 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 40 V rated value ■ at 440 V rated value ■ at 440 V rated value ■ at 600 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 700 V rated value ■ at 1000 V rated value ■ at 1000 V rated value ■ at 1000 V rated value ■ at 600 V rated value ■ at 400 V rated value ■ at 600 V rated value ■ at 600 V rated value ■ at 400 V rated val	— 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 400 A — at 110 V rated value 400 A — at 220 V rated value 2.5 A — at 440 V rated value 0.65 A — at 440 V rated value 0.65 A — at 440 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 400 A — at 60 V rated value 400 A — at 60 V rated value 400 A — at 110 V rated value 400 A — at 110 V rated value 400 A — at 220 V rated value 400 A — at 220 V rated value 400 A — at 220 V rated value 400 A — at 440 V rated value 50.75 A Operating power • at AC-3 — at 230 V rated value 200 kW — at 500 V rated value 200 kW — at 500 V rated value 400 kW — at 1000 V rated value 250 kW • at AC-3 — at 230 V rated value 250 kW • at AC-3 — at 230 V rated value 250 kW • at 500 V rated value 250 kW — at 400 V rated value 350 kW	— at 440 V rated value	0.18 A
at 24 V rated value	— at 600 V rated value	0.125 A
at 60 V rated value 400 A at 110 V rated value 2.5 A at 440 V rated value 0.65 A at 440 V rated value 0.65 A at 440 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 400 A at 600 V rated value 400 A at 600 V rated value 400 A at 110 V rated value 400 A at 110 V rated value 400 A at 220 V rated value 400 A at 440 V rated value 400 A at 4600 V rated value 50.75 A operating power at AC-3 at 230 V rated value 200 kW at 400 V rated value 250 kW at 690 V rated value 250 kW at 400 V rated value 250 kW at 500 V rated value 250 kW at 690 V rated value 250 kW at 400 V rated value 250 kW at 690 V rated value 250 kW at 690 V rated value 250 kW at 690 V rated value 350 kW	with 2 current paths in series at DC-3 at DC-5	
- at 110 V rated value	— at 24 V rated value	400 A
- at 220 V rated value	— at 60 V rated value	400 A
- at 440 V rated value	— at 110 V rated value	400 A
■ with 3 current paths in series at DC-3 at DC-5 □ at 24 V rated value □ at 60 V rated value □ at 10 V rated value □ at 220 V rated value □ at 220 V rated value □ at 440 V rated value □ at 400 V rated value □ at 440 V rated value □ at 400 V rated value □ at 400 V rated value □ at 400 V rated value □ at 600 V rated value □ at 1230 V rated value □ at 1230 V rated value □ at 500 V rated value □ at 690 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 690 V rated value □ at 690 V rated value □ at 690 V rated value □ at 1000 V rated value □ at 690 V rated value □ at 1000 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 110 V rated value — at 1220 V rated value — at 220 V rated value — at 440 V rated value — at 4600 V rated value — at 4600 V rated value — at 4600 V rated value — at 4000 V rated value — at 600 V rated value — at 900 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 690 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value	— at 440 V rated value	0.65 A
- at 24 V rated value 400 A - at 60 V rated value 400 A - at 110 V rated value 400 A - at 110 V rated value 400 A - at 220 V rated value 400 A - at 440 V rated value 1.4 A - at 600 V rated value 0.75 A operating power • at AC-3 - at 230 V rated value 132 kW - at 400 V rated value 250 kW - at 500 V rated value 400 kW - at 1000 V rated value 400 kW - at 1000 V rated value 250 kW - at 40-3e - at 230 V rated value 250 kW - at 690 V rated value 250 kW • at AC-3e - at 230 V rated value 250 kW • at AC-3e - at 230 V rated value 250 kW - at 400 V rated value 250 kW • at AC-3e - at 230 V rated value 250 kW - at 400 V rated value 250 kW - at 400 V rated value 250 kW - at 690 V rated value 250 kW - at 690 V rated value 250 kW - at 690 V rated value 350 kW - at 400 V rated value 350 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 85 kW • at 690 V rated value 85 kW • at 690 V rated value 85 kW	— at 600 V rated value	0.37 A
at 60 V rated value 400 A at 110 V rated value 400 A at 220 V rated value 400 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 250 kW at 500 V rated value 250 kW at 1000 V rated value 250 kW at 1000 V rated value 250 kW at 300 V rated value 250 kW at 300 V rated value 250 kW at 500 V rated value 250 kW at 1000 V rated value 250 kW at 1000 V rated value 250 kW • at AC-3e at 230 V rated value 250 kW at 400 V rated value 250 kW at 400 V rated value 250 kW at 500 V rated value 250 kW at 690 V rated value 250 kW at 690 V rated value 350 kW	 with 3 current paths in series at DC-3 at DC-5 	
- at 110 V rated value 400 A - at 220 V rated value 400 A - at 440 V rated value 1.4 A - at 600 V rated value 0.75 A operating power	— at 24 V rated value	400 A
at 220 V rated value 400 A at 440 V rated value 1.4 A at 600 V rated value 0.75 A operating power ■ at AC-3 at 230 V rated value 132 kW at 400 V rated value 250 kW at 690 V rated value 250 kW ■ at AC-3e at 230 V rated value 250 kW ■ at AC-3e at 230 V rated value 250 kW ■ at AC-3e at 230 V rated value 250 kW ■ at 500 V rated value 250 kW ■ at 400 V rated value 250 kW at 90 V rated value 250 kW at 1000 V rated value 250 kW at 1000 V rated value 250 kW at 690 V rated value 250 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 85 kW ■ at 690 V rated value 85 kW ■ at 690 V rated value 133 kW	— at 60 V rated value	400 A
	— at 110 V rated value	400 A
	— at 220 V rated value	400 A
operating power • at AC-3	— 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 690 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 500 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 400 V rated value	— at 600 V rated value	0.75 A
at 230 V rated value	operating power	
at 400 V rated value 250 kW at 500 V rated value 400 kW at 1000 V rated value 250 kW at 1000 V rated value 250 kW at AC-3e at 230 V rated value 132 kW at 400 V rated value 200 kW at 500 V rated value 250 kW at 690 V rated value 250 kW at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value 85 kW at 690 V rated value 133 kW	• at AC-3	
at 500 V rated value 250 kW at 690 V rated value 400 kW at 1000 V rated value 250 kW ■ at AC-3e at 230 V rated value 132 kW at 400 V rated value 200 kW at 500 V rated value 250 kW at 690 V rated value 400 kW at 1000 V rated value 250 kW at 1000 V rated value 250 kW at 400 V rated value 85 kW ■ at 400 V rated value 85 kW ■ at 690 V rated value 133 kW	— at 230 V rated value	132 kW
- at 690 V rated value 400 kW - at 1000 V rated value 250 kW ■ at AC-3e - at 230 V rated value 132 kW - at 400 V rated value 200 kW - at 500 V rated value 250 kW - at 690 V rated value 400 kW - at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 85 kW ■ at 690 V rated value 133 kW	— at 400 V rated value	200 kW
- at 1000 V rated value ■ at AC-3e - at 230 V rated value - at 400 V rated value 200 kW - at 500 V rated value 250 kW - at 690 V rated value 400 kW - at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 85 kW ■ at 690 V rated value 133 kW	— at 500 V rated value	250 kW
• at AC-3e	— at 690 V rated value	400 kW
- at 230 V rated value - at 400 V rated value 200 kW - at 500 V rated value 250 kW - at 690 V rated value 400 kW - at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC- 4 at 400 V rated value 85 kW	— at 1000 V rated value	250 kW
— at 400 V rated value 200 kW — at 500 V rated value 250 kW — at 690 V rated value 400 kW — at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 85 kW • at 690 V rated value 133 kW	• at AC-3e	
- at 500 V rated value 250 kW - at 690 V rated value 400 kW - at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC- 4 at 400 V rated value 85 kW • at 690 V rated value 133 kW	— at 230 V rated value	132 kW
— at 690 V rated value 400 kW — at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC-	— at 400 V rated value	200 kW
— at 1000 V rated value 250 kW operating power for approx. 200000 operating cycles at AC- 4	— at 500 V rated value	250 kW
operating power for approx. 200000 operating cycles at AC- at 400 V rated value at 690 V rated value 133 kW	— at 690 V rated value	400 kW
4	— at 1000 V rated value	250 kW
4	operating power for approx. 200000 operating cycles at AC-	
• at 690 V rated value 133 kW		
	at 400 V rated value	85 kW
operating apparent power at AC-6a		133 kW
	operating apparent power at AC-6a	

• up to 230 V for current peak value n=20 rated value	150 kVA
• up to 400 V for current peak value n=20 rated value	270 kVA
• up to 500 V for current peak value n=20 rated value	340 kVA
• up to 690 V for current peak value n=20 rated value	470 kVA
• up to 1000 V for current peak value n=20 rated value	310 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	100 kVA
• up to 400 V for current peak value n=30 rated value	180 kVA
• up to 500 V for current peak value n=30 rated value	220 kVA
• up to 690 V for current peak value n=30 rated value	310 kVA
 up to 1000 V for current peak value n=30 rated value 	310 kVA
short-time with stand current in cold operating state up to 40 $^{\circ}\text{C}$	
 limited to 1 s switching at zero current maximum 	6 600 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	5 761 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	4 143 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	2 635 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	2 088 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	700 1/h
at AC-2 maximum	200 1/h
• at AC-3 maximum	500 1/h
• at AC-3e	
— maximum	500 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	500 550 V
at 60 Hz rated value	500 550 V
control supply voltage at DC rated value	500 550 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
full-scale value operating range factor control supply voltage rated value of	1.1
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	700 VA
— at 60 Hz	700 VA
 at maximum rated control supply voltage at AC 	
— at 60 Hz	830 VA
— at 50 Hz	830 VA
apparent pick-up power of magnet coil at AC	
● at 50 Hz	830 VA
• at 60 Hz	830 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 	8.5 VA
 at maximum rated control supply voltage at DC 	10 VA
apparent holding power	
• at minimum rated control supply voltage at AC	
— at 50 Hz	7.6 VA
— al 30112	

-1 00 U-	701/4
— at 60 Hz	7.6 VA
at maximum rated control supply voltage at AC	
— at 50 Hz	9.2 VA
— at 60 Hz	9.2 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.9
at 60 Hz	0.9
closing power of magnet coil at DC	920 W
holding power of magnet coil at DC	10 W
closing delay	
• at AC	45 100 ms
• at DC	45 100 ms
opening delay	
• at AC	60 100 ms
• at DC	60 100 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	
at 24 V rated value	10 A
at 48 V rated value	2 A
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	361 A
at 600 V rated value	382 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 200/208 V rated value	125 hp
— at 220/230 V rated value	150 hp
— at 460/480 V rated value	300 hp
— at 575/600 V rated value	400 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection design of the miniature circuit breaker for short-circuit protection	C characteristic: 10 A; 0.4 kA
of the auxiliary circuit up to 230 V design of the fuse link	
for short-circuit protection of the main circuit	

— with type of coordination 1 required	gG: 630 A (690 V, 100 kA)
with type of coordination 2 required	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50
	kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method side-by-side mounting	Yes
fastening method	screw fixing
height	214 mm
width	160 mm
depth	225 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
— 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	TO THE
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	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections	1
for AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	2/0 500 KCITIII
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	70 240 Hilli
solid or stranded	0.5 4 mm²
 solid of stranded finely stranded with core end processing 	0.5 4 mm²
type of connectable conductor cross-sections	0.0 2.0 IIIII
for auxiliary contacts	
•	2v (0.5
— solid — solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded — finely stranded with core end processing	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
Innery stranded with core end processing for AWG cables for auxiliary contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12
	2X (2U 16), 2X (18 14), 1X 12 18 14
AWG number as coded connectable conductor cross section for auxiliary contacts	10 1· 1
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
· · · · · · · · · · · · · · · · · · ·	

proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	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	Type 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







EMV

Type Examination Cer**tificate**

Functional Saftey

Maritime application

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

Test Certificates

Type Test Certificates/Test Report









Maritime application



Miscellaneous



Confirmation

Confirmation

Miscellaneous

Railway

Environment

Special Test Certificate



Siemens **EcoTech**



Environmental Confirmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information for data generation and storage

https://support.industry.siemens.com/cs/ww/en/view/109995012

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=3RT1075-6AS36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6AS36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AS36

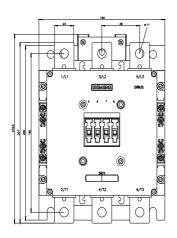
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

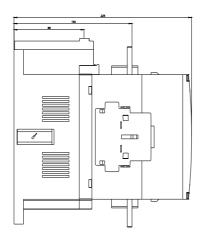
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1075-6AS36&lang=en

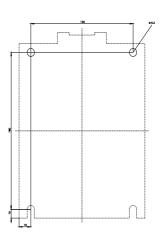
Characteristic: Tripping characteristics, I2t, Let-through current

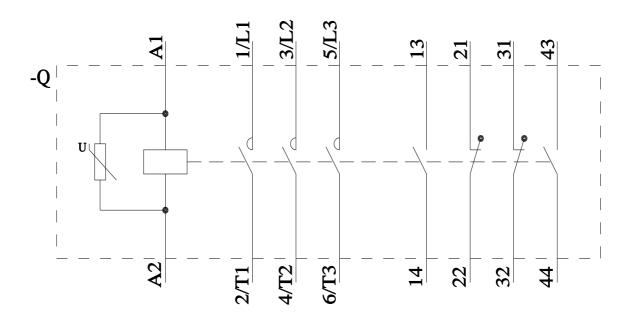
https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AS36/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6AS36&objecttype=14&gridview=view1









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