SIEMENS

Data sheet 3RT1055-6AP36

SIRIUS





power contactor, AC-3e/AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 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 	27 W
 at AC in hot operating state per pole 	9 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
Weight	3.36 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	
global warming potential [CO2 eq] total	379 kg
global warming potential [CO2 eq] during manufacturing	17 kg
global warming potential [CO2 eq] during sales	0.901 kg
global warming potential [CO2 eq] during operation	363 kg
global warming potential [CO2 eq] after end of life	-2.28 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 	185 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	185 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	160 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	90 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	90 A
• at AC-3	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
• at AC-3e	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
• at AC-4 at 400 V rated value	132 A
• at AC-5a up to 690 V rated value	162 A
 at AC-5b up to 400 V rated value 	124 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	150 A
— up to 400 V for current peak value n=20 rated value	150 A
— up to 500 V for current peak value n=20 rated value	150 A
— up to 690 V for current peak value n=20 rated value	150 A
 up to 1000 V for current peak value n=20 rated value 	65 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	105 A
— up to 400 V for current peak value n=30 rated value	105 A
— up to 500 V for current peak value n=30 rated value	105 A
— up to 690 V for current peak value n=30 rated value	105 A
— up to 1000 V for current peak value n=30 rated value	65 A
minimum cross-section in main circuit at maximum AC-1 rated value	95 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	68 A
at 690 V rated value	57 A

operational current	
• at 1 current path at DC-1	400 A
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
with 2 current paths in series at DC-1	400 A
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	400 4
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	11.5 A
— at 600 V rated value	4 A
• at 1 current path at DC-3 at DC-5	400 A
— at 24 V rated value	160 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
with 2 current paths in series at DC-3 at DC-5	400 A
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	2.5 A 0.65 A
at 440 V rated value at 600 V rated value	0.05 A 0.37 A
with 3 current paths in series at DC-3 at DC-5	0.57 A
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 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	45 kW
— at 400 V rated value	75 kW
— at 500 V rated value	90 kW
— at 690 V rated value	132 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	45 kW
— at 400 V rated value	75 kW
— at 500 V rated value	90 kW
— at 690 V rated value	132 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	38 kW
at 690 V rated value	55 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	60 kVA

up to 400 V for current pask value m=20 rated value up to 690 V for current pask value m=20 rated value 130 kVA 130 kV		
	• up to 400 V for current peak value n=20 rated value	100 kVA
	• up to 500 V for current peak value n=20 rated value	130 kVA
operating apparent power at AC-Sa u pit 0 200 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value u pit 0 500 V for current peak value n=30 rated value i limited to 10 s switching at zero current maximum i limited to 30 s switching	 up to 690 V for current peak value n=20 rated value 	170 kVA
up to 200 V for current peak value n=30 rated value	 up to 1000 V for current peak value n=20 rated value 	110 kVA
Up to 400 V for current peak value n=30 rated value 90 kVA 9	operating apparent power at AC-6a	
Up to 500 V for current peak value n=30 rated value 100 kV A	 up to 230 V for current peak value n=30 rated value 	40 kVA
■ up to 890 V for current peak value n=30 rated value short-time withstand current in cold perating state up to 40 °C ■ ilmited to 1 s switching at zero current maximum ■ ilmited to 1 s switching at zero current maximum ■ ilmited to 3 switching at zero current maximum ■ ilmited to 3 switching at zero current maximum ■ ilmited to 3 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ ilmited to 30 switching at zero current maximum ■ olicitoria switching frequency ■ at AC = maximum	 up to 400 V for current peak value n=30 rated value 	70 kVA
	 up to 500 V for current peak value n=30 rated value 	90 kVA
short-time withstand current in cold operating state up to 40°C initialed to 1 s switching at zero current maximum initialed to 5 s witching at zero current maximum initialed to 5 s witching at zero current maximum initialed to 5 s witching at zero current maximum initialed to 50 s witching at zero current maximum initialed to 50 s witching at zero current maximum initialed to 50 s witching at zero current maximum initialed to 50 s witching at zero current maximum initialed to 50 s witching at zero current maximum initialed to 50 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current maximum included a witching frequency in the state of 2000 s witching at zero current witchin	 up to 690 V for current peak value n=30 rated value 	120 kVA
Finited to 1 s witching at zero current maximum Finited to 1 s witching at zero current maximum Finited to 5 s witching at zero current maximum 1 831 A; Use minimum cross-section acc. to AC-1 rated value 1 831 A; Use minimum cross-section acc. to AC-1 rated value 1 8300 A; Use minimum cross-sectio	 up to 1000 V for current peak value n=30 rated value 	110 kVA
illimited to 1 s switching at zero current maximum illimited to 15 s switching at zero current maximum illimited to 15 s switching at zero current maximum illimited to 15 s switching at zero current maximum illimited to 30 s switching at zero current maximum illimited to 30 s switching at zero current maximum illimited to 30 s switching at zero current maximum illimited to 30 s switching at zero current maximum included switching frequency it at AC interpretation of the switching at zero current maximum included switching frequency interpretation of the switching frequ		
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Binified to 00 s switching at zero current maximum 703 A; Use minimum cross-section acc. to AC-1 rated value 703 A; Use 703 A; Use minimum cross-section acc. to AC-1 rated value	-	
•	-	
a t AC	-	
* at AC		703 A; Use minimum cross-section acc. to AC-1 rated value
• at DC operating frequency • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at BC Dt. control supply voltage of the control supply voltage control supply voltage of the control supply voltage • at 50 Hz rated value • 220 240 V • at 60 Hz rated value • 220 240 V • at 150 Hz acceptating range factor control supply voltage rated value of magnet coil at DC • initial value		2 000 1/h
A A C-1 maximum		
* at AC-1 maximum 300 1/h * at AC-2 maximum 750 1/h * at AC-3 maximum 750 1/h * at AC-3 maximum 750 1/h * at AC-4 maximum 750 1/h * at BC AC-7 rated value 750 1/h * at BC AC-7 rated value 8 * at BC AC-7 rated value 9 * at BC AC-7 rated value 9 * at BC AC-7 rated value 9 * at IC-7 rated value		2 000 1/11
		900 4/h
* at AC-3 maximum 750 1/h * at AC-4 maximum 750 1/h * at AC-4 maximum 750 1/h * at C-4 maximum 750 1/h * at C-4 maximum 750 1/h * at C-5 Uz Control supply voltage at AC * at C-5 Uz Cated value 220 240 V * at C-5 Uz Cated value 220 240 V * at C-5 Uz Cated value 220 240 V * control supply voltage at DC rated value 050 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 * at 60 Hz 0.8 1.1 * at 60 Hz * at 60 Hz 2.50 VA * at 60 Hz * at maximum rated control supply voltage at AC * at 50 Hz * at 60 Hz 2.50 VA * at 60 Hz * at 50 Hz * at 60 Hz * 300 VA * apparent pick-up power of magnet coil at AC * at 50 Hz * at 60 Hz * at 50 Hz * at 60 Hz * 300 VA * apparent pick-up power of magnet coil at AC * at 50 Hz * at 60		
• at AC-3e maximum 750 1/h • at AC-4e maximum 130 1/h • at AC-4e maximum AC/DC control supply voltage at AC • at 50 Hz rated value 220 240 V • at 50 Hz rated value 220 240 V • at 50 Hz rated value 220 240 V control supply voltage at DC rated value 220 240 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 • full-scale value 1.1 operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 • at 50 Hz 0.8 1.1 • at 60 Hz 0.8 1.1 • at 50 Hz 0.8 1.1 • at 60 Hz 0.8 1.1 • at 60 Hz 0.8 1.1 • at 60 Hz 250 VA • at 60 Hz 300 VA • at 60 Hz 300 VA • at 50 Hz 300 VA <tr< td=""><td></td><td></td></tr<>		
• at AC-4 maximum **Type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • 220 240 V control supply voltage at AC • at 60 Hz rated value • 220 240 V control supply voltage at DC rated value control supply voltage at DC rated value • initial v		
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• at 50 Hz rated value 220 240 V • at 60 Hz rated value 220 240 V control supply voltage at DC rated value of magnet coil at DC • initial value 0.8 • initia		AC/DC
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magnet coil at DC • initial value • full-scale value • at 50 Hz • at 60 Hz • at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz • at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz • at 60 Hz • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at AC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at 60 Hz • at minimum rated control supply voltage at AC — at 60 Hz • at minimum rated control supply voltage at AC — at 60 Hz • at 60 Hz • at minimum rated control supply voltage at AC — at 60 Hz • at 60 Hz • at minimum rated control supply voltage at AC — at 60 Hz • at 60		220 240 V
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operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 60 Hz • at maximum rated control supply voltage at AC — at 60 Hz — at 60 Hz — at 50 Hz — at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA — at 60 Hz 4.8 VA	• initial value	0.8
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e at 60 Hz design of the surge suppressor apparent pick-up power e at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 50 Hz at 50 Hz at 50 Hz at 60 Hz 300 VA apparent pick-up power of magnet coil at AC e at 50 Hz at 60 Hz 300 VA apparent pick-up power of magnet coil at AC at 60 Hz 0.9 apparent holding power e at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at AC — at 50 Hz at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA 4.8 VA		
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apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 50 Hz sapparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz • at minimum rated control supply voltage at AC — at 50 Hz • at minimum rated control supply voltage at AC — at 50 Hz • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA	• at 60 Hz	0.8 1.1
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- at 60 Hz	 at minimum rated control supply voltage at AC 	
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- at 60 Hz - at 50 Hz 300 VA apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 4.8 VA 4.8 VA	— at 60 Hz	250 VA
apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA	 at maximum rated control supply voltage at AC 	
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 at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz 0.9 at 60 Hz at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at AC at minimum rated control supply voltage at AC at 60 Hz 4.8 VA 4.8 VA 	apparent pick-up power of magnet coil at AC	
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apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 0.9 4.3 VA 5.2 VA 4.8 VA 4.8 VA 4.8 VA	inductive power factor with closing power of the coil	
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apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA	apparent holding power	
apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA	 at minimum rated control supply voltage at DC 	4.3 VA
at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA	 at maximum rated control supply voltage at DC 	5.2 VA
at 50 Hz 4.8 VA at 60 Hz 4.8 VA	apparent holding power	
— at 60 Hz 4.8 VA	 at minimum rated control supply voltage at AC 	
	— at 50 Hz	4.8 VA
at maximum rated control supply voltage at AC	— at 60 Hz	4.8 VA
	at maximum rated control supply voltage at AC	

— at 50 Hz	5.8 VA
— at 50 пz — at 60 Hz	5.8 VA
inductive power factor with the holding power of the coil	0.0 VA
	0.0
• at 50 Hz • 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	00 05
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	40 00
• 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	
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	156 A
at 600 V rated value	144 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	30 hp
• for 3-phase AC motor	
— at 200/208 V rated value	50 hp
— at 220/230 V rated value	60 hp
— at 460/480 V rated value	125 hp
— at 575/600 V rated value	150 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	
for short-circuit protection of the main circuit	

with time of accordination 4 yearsized	~C. 255 A (200 V 400 kA)
— with type of coordination 1 required	gG: 355 A (690 V, 100 kA) cM: 200 A (600 V, 50 kA) DS99: 245 A (415 V, 50
— with type of assignment 2 required	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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	172 mm
width	120 mm
depth	170 mm
required spacing	
with side-by-side mounting	20
— forwards	20 mm
— upwards — downwards	10 mm 10 mm
	0 mm
— at the side	OTHILL
for grounded parts— forwards	20 mm
— lorwards — 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

with low demand rate according to SN 31920 with high demand rate according to SN 31920 7	Yes 40 %
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 7 	40 %
• with high demand rate according to SN 31920 7	40 %
5 5	
value with high demand rate according to SN 31920	73 %
0	1 000 000
re rate [FIT] with low demand rate according to SN 120	100 FIT
13849	
ice type according to ISO 13849-1	3
rdimensioning according to ISO 13849-2 necessary	Yes
61508	
ety device type according to IEC 61508-2	Type A
strical Safety	
tection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
ch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
ovals Certificates	

General Product Approval









<u>KC</u>



EMV Functional Saftey Test Certificates Marine / Shipping



Type Examination Certificate Special Test Certificate

Type Test Certificates/Test Report

Miscellaneous



Marine / Shipping other









Miscellaneous

Confirmation

other Railway Environment

Confirmation

Miscellaneous

Special Test Certificate





Environmental Confirmations

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=3RT1055-6AP36

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1055-6AP36}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AP36

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

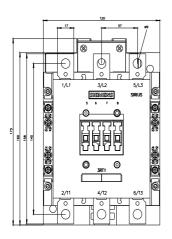
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1055-6AP36&lang=en

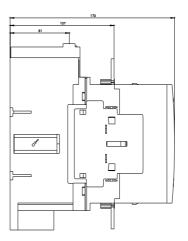
Characteristic: Tripping characteristics, I2t, Let-through current

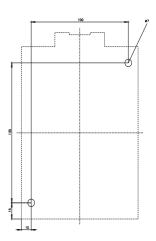
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AP36/char

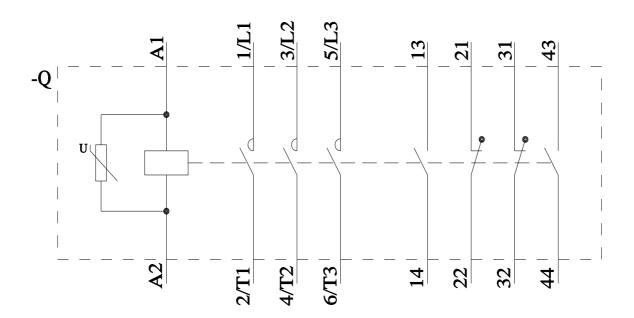
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-6AP36&objecttype=14&gridview=view1









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