SIEMENS

Data sheet

3RT1055-6AP36



Power contactor, AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC operation 220-240 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S6 Busbar connections Drive: conventional screw terminal

	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
• per pole	9 W
power loss [W] for rated value of the current without load current share typical	5.2 W
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. 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 (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)	01.05.2012 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
	10.0/
relative humidity minimum	10 %

maximum	
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
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 °C rated value	185 A
— up to 690 V at ambient temperature 60 °C rated value	160 A
— up to 1000 V at ambient temperature 40 °C rated value	90 A
— up to 1000 V at ambient temperature 60 °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-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 at AC-6a 	124 A
 — 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 minimum cross-section in main circuit at maximum AC-1	65 A
rated value 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 	
— at 24 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 	
— at 24 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 	
— at 24 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
operational current	
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	160 A
— at 110 V rated value	2.5 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 	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	2.5 A
— 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 24 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	
	45 kW
• at AC-3	45 kW 75 kW
• at AC-3 — at 230 V rated value	
 at AC-3 at 230 V rated value at 400 V rated value 	75 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value 	75 kW 90 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 	75 kW 90 kW 132 kW
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 operating power for approx. 200000 operating cycles	75 kW 90 kW 132 kW
at AC-3	75 kW 90 kW 132 kW 90 kW
at AC-3	75 kW 90 kW 132 kW 90 kW 38 kW
 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 operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 400 V rated value at 690 V rated value 	75 kW 90 kW 132 kW 90 kW 38 kW
 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 operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating apparent power at AC-6a 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW
 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 operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·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 operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·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 operating power for approx. 200000 operating cycles at AC-4 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 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 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 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 690 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 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 690 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 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·A 110 000 V·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 operating power for approx. 200000 operating cycles at AC-4 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 500 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 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·A 110 000 V·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 operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 690 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 230 V for current peak value n=30 rated value 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·A 110 000 V·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 operating power for approx. 200000 operating cycles at AC-4 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 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 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=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 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·A 110 000 V·A 90 000 V·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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 690 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=30 rated value up to 230 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·A 110 000 V·A 110 000 V·A 110 000 V·A 110 000 V·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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 690 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=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 170 000 V·A 110 000 V·A 110 000 V·A 110 000 V·A 110 000 V·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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 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 500 V for current peak value n=20 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV-A 100 000 V-A 130 000 V-A 170 000 V-A 110 000 V-A 110 000 V-A 110 000 V-A 110 000 V-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 690 V rated value operating power for approx. 200000 operating cycles at AC-4 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 500 V for current peak value n=20 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 400 °C limited to 1 s switching at zero current maximum 	75 kW 90 kW 132 kW 90 kW 38 kW 55 kW 60 000 kV·A 100 000 V·A 130 000 V·A 130 000 V·A 170 000 V·A 110 000 V·A 110 000 V·A 2 727 A; Use minimum cross-section acc. to AC-1 rated value

 limited to 30 s switching at zero current maximum 	850 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	703 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	300 1/h
• at AC-3 maximum	750 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	Adibo
at 50 Hz rated value	220 240 V
at 50 Hz rated value	220 240 V 220 240 V
	220 240 V
control supply voltage at DC	222 24214
rated value	220 240 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 of magnet coil at AC	with vansion
• at 50 Hz	300 V·A
• at 60 Hz	300 V A 300 V A
	- 500 V A
inductive power factor with closing power of the coil • at 50 Hz	0.0
	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	501/4
• at 50 Hz	5.8 V·A
• at 60 Hz	5.8 V·A
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	
-	2
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	40.4
• 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	150 A
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
- at 575/600 V rated value contact rating of auxiliary contacts according to UL	150 hp A600 / Q600
contact rating of auxiliary contacts according to UL	
contact rating of auxiliary contacts according to UL Short-circuit protection	
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	A600 / Q600
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - upwards - downwards - at the side	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/mounting/dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - at the side • for grounded parts - forwards	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — upwards — upwards	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/mounting/dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — upwards — at the side	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — upwards — upwards	A600 / Q600 gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm

— forwards			20 mm			
— upwards			10 mm			
— downward	c		10 mm			
— downwards — at the side		10 mm				
Connections/ Termina			10 11111			
width of connection			17 mm			
			3 mm			
thickness of connection bar diameter of holes						
		9 mm				
	nnoction		1			
type of electrical connection			Connection her			
for main current circuit		Connection bar				
 for auxiliary and control circuit at contactor for auxiliary contacts 		screw-type terminals				
	auxiliary contacts		Screw-type terminals			
of magnet coil	aanduatar araaa aaa	tiono	Screw-type terminals			
	conductor cross-sec	tions	4 050 kemil			
	for main contacts		4 250 kcmil			
connectable conduct	ctor cross-section for	main				
 stranded 			25 120 mm²			
connectable conduc contacts	ctor cross-section for	auxiliary				
 solid or strande 	d		0.5 4 mm²			
 finely stranded 	with core end processi	ng	0.5 2.5 mm²			
type of connectable	conductor cross-sec	tions				
 for auxiliary cor 	ntacts					
— solid			2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²), max. 2x (0.75 4 mm²)	
— solid or str	anded		2x (0,5 1,5 mm²), 2x (0,7	5 2,5 mm²), max. 2x (0,75 4 mm²)	
— finely strar	nded with core end proc	cessing	2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
• at AWG cables	at AWG cables for auxiliary contacts					
AWG number as coded connectable conductor cross		2x (20 16), 2x (18 14), 1x 12				
		luctor cross	2X (20 10), 2X (10 14),	17.12		
AWG number as coo section	ded connectable conc	luctor cross		17.12		
AWG number as coo section • for auxiliary cor	ded connectable conc	ductor cross	18 14	17.12		
AWG number as coo section	ded connectable conc	ductor cross		12		
AWG number as coo section • for auxiliary cor Safety related data product function min	ded connectable cond ntacts rror contact acc. to IE	C 60947-4-1	18 14 Yes	12		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d	ded connectable cond ntacts rror contact acc. to IE lemand rate acc. to SN	C 60947-4-1 31920	18 14	17.12		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d	ded connectable cond ntacts rror contact acc. to IE	C 60947-4-1 31920	18 14 Yes	12		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1	ded connectable cond ntacts rror contact acc. to IE lemand rate acc. to SN	C 60947-4-1 31920 acc. to IEC	18 14 Yes 1 000 000			
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AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina	l/cover	ox terminal/cover	
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina	l/cover	ox terminal/cover	
AWG number as coordinates and the section section of auxiliary correspondence of the section of	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta	l/cover	ox terminal/cover	
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta	l/cover		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta	l/cover	ox terminal/cover	
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	l/cover act from the front with b		
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AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	l/cover		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	l/cover act from the front with b		
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AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	l/cover act from the front with b		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	l/cover act from the front with b		
AWG number as coor section • for auxiliary corr Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval General Product Ap Example Functional Safety/Safety of	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IE the front acc. to IEC witching OFF s	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	l/cover act from the front with b		
AWG number as coor section • for auxiliary corr Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval General Product Ap Contemport	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC witching OFF s oproval	C 60947-4-1 31920 acc. to IEC C 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes	I/cover act from the front with be		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval General Product Ap Example Functional Safety/Safety of Machinery	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC witching OFF s oproval	EC 60947-4-1 31920 acc. to IEC C 60529 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes KC	I/cover act from the front with be		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval General Product Ap Example Functional Safety/Safety of Machinery Type Examination	ded connectable cond intacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC witching OFF s oproval Ccc Test Certificates Type Test Certific-	EC 60947-4-1 31920 acc. to IEC C 60529 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes KC	I/cover act from the front with be		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval General Product Ap Example Functional Safety/Safety of Machinery	ded connectable cond ntacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC witching OFF s oproval	EC 60947-4-1 31920 acc. to IEC C 60529 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes KC	I/cover act from the front with be		
AWG number as coor section • for auxiliary cor Safety related data product function min B10 value with high d product function posit 60947-5-1 protection class IP of touch protection on suitability for use • safety-related s Certificates/ approval General Product Ap Example Functional Safety/Safety of Machinery Type Examination	ded connectable cond intacts rror contact acc. to IE emand rate acc. to SN ively driven operation a on the front acc. to IEC the front acc. to IEC witching OFF s oproval Ccc Test Certificates Type Test Certific-	EC 60947-4-1 31920 acc. to IEC C 60529 60529	18 14 Yes 1 000 000 No IP00; IP20 with box termina finger-safe, for vertical conta Yes KC	I/cover act from the front with be		

Marine / Shipping	other				Railway
DNV-GL	Miscellaneous	Confirmation	Confirmation	<u>Miscellaneous</u>	Special Test Certific- ate

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=3RT1055-6AP36

Cax online generator

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

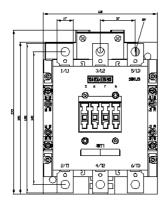
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

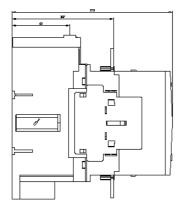
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1055-6AP36&lang=en

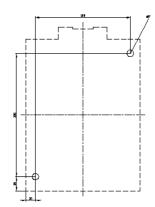
Characteristic: Tripping characteristics, I2t, Let-through current

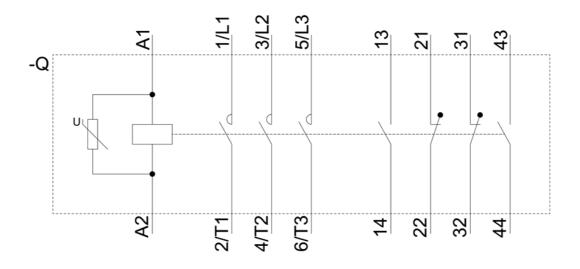
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AP36/char

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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