SIEMENS

Data sheet

3RT1075-6AB36



Power contactor, AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC operation 23-26 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S12 Busbar connections Drive: conventional 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		
per pole	35 W		
power loss [W] for rated value of the current without load current share typical	10 W		
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 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		
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 acc. to IEC 60068-2-30	95 %
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 	430 A
rated value ● at AC-1	
— 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	200 A
• at AC-3	400.4
— 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 — up to 690 V for current peak value n=20 rated 	395 A 395 A
- up to 500 V for current peak value n=20 rated - up to 1000 V for current peak value n=20 rated	180 A
 value 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 value	264 A
— up to 1000 V for current peak value n=30 rated value	180 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	300 mm² -
cycles at AC-4	
• at 400 V rated value	150 A
• at 690 V rated value	135 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	400 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	400 A



— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	400 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 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 600 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 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	0.107
• at AC-3	
— at 230 V rated value	132 kW
— at 200 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
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	150 000 kV·A
• up to 400 V for current peak value n=20 rated value	270 000 V·A
• up to 500 V for current peak value n=20 rated value	340 000 V·A
• up to 690 V for current peak value n=20 rated value	470 000 V·A
• up to 1000 V for current peak value n=20 rated value	310 000 V A
value	
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	100 000 V·A
• up to 400 V for current peak value n=30 rated value	180 000 V·A
• up to 500 V for current peak value n=30 rated value	220 000 V·A
• up to 690 V for current peak value n=30 rated value	310 000 V·A
• up to 1000 V for current peak value n=30 rated	310 000 V·A
value	
short-time withstand current in cold operating state up to 40 °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 AC ● at DC	2 000 1/h 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-4 maximum	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	Noibe
• at 50 Hz rated value	23 26 V
at 60 Hz rated value	23 26 V
control supply voltage at DC	
rated value	23 26 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	
● at 50 Hz	830 V·A
• at 60 Hz	830 V·A
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	0.21/ A
• at 50 Hz	9.2 V·A
t 60 Hz inductive power factor with the holding power of the	9.2 V·A
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	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	6.4
at 230 V rated value	6 A
at 400 V rated value	3 A 2 A
at 500 V rated value	2 A 1 A
at 690 V rated value	1 A
operational current at DC-12 • at 24 V rated value	10.4
at 24 V rated value at 48 V rated value	10 A 6 A
• at 60 V rated value	6 A



 at 110 V rate value at 120 V rated value at 220 V rated value at 200 V rated value at 800 V rated value				
• af 80V risk value 1 A • af 80V risk value 0.15 A • oprational current at DC-13 0.15 A • af 82 V risk value 2 A • af 80 V risk value 0.9 A • af 80 V risk value 0.1 A Contact reliability of auxiliary contacts 16 alty switching per 100 million (17 V, 1 mA) ULC63 ratings 11 faily switching per 100 million (17 V, 1 mA) ULC63 ratings 381 A • af 400 V risk value 381 A • af 400 V risk value 382 A • af 400 V risk value 380 h • af 400 V risk value 380 h • af 400 V risk value 300 hp - at 202/30 V risk value 125 hp - at 400 V risk value 300 hp - at 400 V risk value 300 hp - at 400 V risk value 300 hp - at 57600 V risk value 300 hp - at 57600 V risk value 300 hp - at 75600 V risk value 300 hp - with	at 110 V rated value	3 A		
• al 800 V rated value 0.15 A operational current at DC-13 10 A • al 44 V intel value 2 A • al 45 V intel value 2 A • al 40 V intel value 2 A • al 41 10 V rated value 0.9 A • al 1220 V rated value 0.3 A • al 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UICSA rated value 361 A • at 600 V rated value 361 A • at 600 V rated value 382 A vielded mechanical performance [hp] • 167 shpsa AC motor • 17 shops AC motor 128 hp • at 200 V rated value 300 hp - at 200208 V rated value 400 hp.0 contact rating of auxiliary contacts according to UL A000 hp.0 Shop-forcing protection 400 hp.0 etails of the face link • for short-circuit protection of the main circuit required • with type of assignment 2 required 9G: 630 A (800 V, 100 kA), abf. 400 A (600 V, 50 kA), BS88: 450 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required bioing Yes <				
operational current at DC-13 0.A • at 24 V rade value 10.A • at 60 V rated value 2.A • at 160 V rade value 10.A • at 125 V rade value 0.9.A • at 250 V rade value 0.1.A • at 250 V rade value 0.3.A • at 250 V rade value 0.1.A • at 800 V rade value 38.2.A • at 800 V rade value 382.A • at 800 V rade value 382.A • at 800 V rade value 150 hp - at 220/230 V rade value 125 hp - at 240/480 V rade value 300 hp - at 460 V rade value 300 hp - at 675/600 V rade value 300 hp - or shot-circuit protection of the main circuit g: 630 A (690 V, 100 kA)				
 at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 20 V rated value at 20 V rated value at 20 V rated value 0.3 A at 20 V rated value 0.3 A at 20 V rated value 0.3 A at 20 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings full-load current (FLA) for 3-phase AC motor 	at 600 V rated value	0.15 A		
a 4 48 V rated value 2 A • at 60 V rated value 0 A • at 110 V rated value 0 P A • at 25 V rated value 0 P A • at 260 V rated value 0 A • at 800 V rated value 0 A • at 800 V rated value 361 A • at 800 V rated value 382 A • yielded mechanical performance (hp)	operational current at DC-13			
• at 60 V rited value 2 A • at 110 V rated value 0 9 A • at 220 V rated value 0 3 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UCCSA ratings 1 full-odd current (FLA) for 3-phase AC motor - • at 400 V rated value 301 A • at 600 V rated value 322 A yielded mechanical performance [bp] - • for 3-phase AC motor - - at 200209 V rated value 125 hp - at 2002020 V rated value 300 hp - at 275000 V rated value 300 hp - at 755000 V rated value 300 hp - with type of assignment 2 required g6: 500 A (690 V, 100 kA) - with type of assignment 2 required g6: 500 A (690 V, 100 kA) - or short-circuit protection of the auxiliary switch g6: 10 A (600 V, 100 kA) - for short-circuit protection of the auxiliary switch g6: 10 A (600 V, 100 kA) - forwards 0 mm <td> at 24 V rated value </td> <td>10 A</td>	 at 24 V rated value 	10 A		
 el 110 V raido value 1 A el 125 V raido value 0.9 A el 320 V raido value 0.1 A contact reliability of auxiliary contacts 1 fadiu switching per 100 million (17 V, 1 mA) UUCSA nations full-load current (FLA) for 3-phase AC motor el 480 V raido value 381 A el 300 V raido value 382 A yielded mechanical performance [tp] for 3-phase AC motor 	 at 48 V rated value 	2 A		
• at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 800 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) VUCSA ratings 1 full-load current (FLA) for 3-phase AC motor 381 A • at 800 V rated value 382 A yielded mechanical performance (tp) • • for 3-phase AC motor - at 200208 V rated value 382 A at 200208 V rated value 125 hp at 200208 V rated value 126 hp	 at 60 V rated value 	2 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) VUCSA ratings 1 faulty switching per 100 million (17 V, 1 mA) VUCSA ratings 361 A • at 480 V rated value 361 A • at 480 V rated value 362 A • picted methodical performance (tp) - • for 3-phase AC motor 155 hp at 220/230 V rated value 150 hp at 220/230 V rated value 300 hp at 300/200 V rated value 300 hp at 4600 / vated value 300 hp at 4600 / potentiality contacts according to UL A600 / Q600 Short-circuit protection of the main circuit gG: 630 A (690 V, 100 kA), at 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 100 kA), at 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) • side-by-side mounting - • side-by-side mounting - • side-by-side mounting - • org pounded parts - - ownwards 10 mm - ownwards 10 mm - ownwards 10 mm	 at 110 V rated value 	1 A		
• et 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings 1 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value 381 A at 600 V rated value 382 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200208 V rated value 125 hp - at 400480 V rated value 300 hp - at 400480 V rated value 300 hp - at 400480 V rated value 400 hp contact rating of auxiliary contacts according to UL A600 / 0600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit gG: 630 A (680 V, 100 kA), adl: 400 A (680 V, 50 kA), BS88: 450 A (415 V, 50 kA) - with type of assignment 2 required yGG: 10 A (500 V, 10 kA), adl: 400 A (680 V, 50 kA), BS88: 450 A (415 V, 50 kA) i stalletioni mounting/ dimensions with vertical mounting surface +/-80° rotatable, with vertical mounting m	 at 125 V rated value 	0.9 A		
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings full-load current (FLA) for 3-phase AC motor 361 A • at 400 V rated value 361 A • at 600 V rated value 361 A • at 600 V rated value 361 A • at 600 V rated value 362 A - at 220/230 V rated value 125 hp - at 220/230 V rated value 100 hp - at 4575/600 V rated value 300 hp - at 575/600 V rated value 300 hp - at 575/600 V rated value 300 hp - at 575/600 V rated value 300 hp - or stort-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gC: 500 A (690 V, 100 kA) - with type of assignment 2 required yC: 50 kA) required gC: 100 A (500 V, 100 kA), abt: 400 A (690 V, 50 kA), BS8: 450 A (415 V, 50 kA) required protection gC: 500 A (690 V, 100 kA) Installator/ mounting value yes fastening method surface +2.2.5' sitable to the front and back side-by-side mounting - forwards - owards 10 mm - owards	 at 220 V rated value 	0.3 A		
UUCSA ratings Still A i at 300 Vrated value 381 A i at 600 Vrated value 382 A vibiled mechanical performance [hp] 6 or 3-phase AC motor - at 200/208 Vrated value 380 A - at 200/208 Vrated value 380 A - at 200/208 Vrated value 300 hp - at 460/480 Vrated value 300 hp - at 460/480 Vrated value 300 hp - at 460/480 Vrated value 300 hp - at 757600 Vrated value 300 hp contact rating of auxiliary contacts according to UL A600 / 0800 Store for short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required - with hype of assignment 2 required gG: 630 A (690 V, 100 kA), gG: 500 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) required fracting mounting dimensions gG: 600 A (690 V, 100 kA), gG: 500 A (690 V, 100	 at 600 V rated value 	0.1 A		
full-load current (FLA) for 3-phase AC motor 361 A • at 460 V rated value 382 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value 125 hp - at 200/208 V rated value 125 hp - at 200/208 V rated value 150 hp - at 200/208 V rated value 300 hp - at 400/408 V rated value 300 hp - at 575/600 V rated value 400 hp contact rating of auxiliary contacts according to UL. A600 / 0600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required yei Sto A (690 V, 100 kA), at: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 100 A (500 V, 10 kA), at: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required screw fixing • side-by-side mounting Yes fastaliation/ mounting/ dimensions screw fixing mounting position screw fixing • with side-by-side mounting Yes height 226 mm required spacing 0 mm - downwards 10	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
• at 480 V trited value 361 A • at 600 V rated value 382 A • yielded mechanical performance [hp]	UL/CSA ratings			
• at 480 V trited value 361 A • at 600 V rated value 382 A • yielded mechanical performance [hp]	full-load current (FLA) for 3-phase AC motor			
• at 600 V rated value 382 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/200 V rated value 125 hp - at 200/200 V rated value 130 hp - at 460/400 V rated value 300 hp - at 460/400 V rated value 300 hp - at 575/600 V rated value 400 hp constart string of auxiliary contacts according to UL A00 Op Short-circuit protection gG: 630 A (690 V, 100 kA) - with type of coordination 1 required gG: 630 A (690 V, 100 kA), akl: 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, 100 kA), akl: 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, 100 kA), akl: 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, 100 kA), akl: 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, 100 kA), akl: 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, 100 kA), akl: 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, 10 kA) • for shot-circuit protection of the auxiliary switch required <td< td=""><td></td><td>361 A</td></td<>		361 A		
yielded mechanical performance [hp] for 3-phase AC motor if or 3-phont-circuit protection of the main circuit if or short-circuit protection of the auxiliary switch required if or short-circuit protection of the auxiliary switch required if or 3-phont if or any sequence if or any seq	at 600 V rated value	382 A		
		125 hp		
contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of assignment 2 required gG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), alt: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), alt: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) Installation/ mounting/ dimensions gG: 10 A (500 V, 10 kA) gG: 10 A (500 V, 10 kA) mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tillable to the front and back fastening method screw fixing Yes • eide-by-side mounting Yes height 225 mm required spacing 0 mm • of orgounded parts 20 mm - downwards 10 mm - at the side 0 mm • for live parts 20 mm - downwards 10 mm<				
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of assignment 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 mounting position suffex etc. isde-by-side mounting fastening method suffex etc. suffex etc. height width doepth 225 mm required spacing • ofmards 10 mm depth 225 mm required spacing • with side-by-side mounting - forwards - upwards 0 mm - forwards - upwards 0 mm - downwards - forwards - forwards - forwards - upwards 0 mm - downwards 0 mm - downwards 0 mm - forwards 0 mm<				
design of the fuse link for short-circuit protection of the main circuit 		A0007 Q000		
• for short-circuit protection of the main circuit gG: 630 A (690 V, 100 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA), all: 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, 10 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with ver				
- with type of coordination 1 required gG: 630 A (690 V, 100 kA) - with type of assignment 2 required gG: 500 A (690 V, 100 kA), all: 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 gG: 10 A (500 V, 1 kA) mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing 0 mm • with side-by-side mounting 226 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - of orwards 20 mm - of owards 10 mm - odownwards 10 mm - of owards 10 mm - of owards 10 mm - odownwards 10 mm - of owards 10 mm				
with type of assignment 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 with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20.5° tittable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm - orwards 10 mm - downwards 10 mm - downwards 0 mm - forwards 20 mm - forwards 20 mm - downwards 10 mm - downwar				
• for short-circuit protection of the auxiliary switch required y, 50 kA) gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position surface +/- 22.5* titable to the front and back screw fixing • side-by-side mounting Yes height with side-by-side mounting Yes height 214 mm with side-by-side mounting - forwards - forwards - forwards - downwards - of or grounded parts - forwards - forwards - ownwards - ownwards <td></td> <td></td>				
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - quwards 10 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - downwards 10 mm - at the side 0 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 1	 — with type of assignment 2 required 			
required Installation/ mounting // dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 0 mm - for vards 20 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - foro	• for short-circuit protection of the auxiliary switch			
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 screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • • with side-by-side mounting - - forwards 20 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 20 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10		go. 107 (000 V, 110)		
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 0 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - forwards 20 mm - upwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm <	Installation/ mounting/ dimensions			
surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - at the side 0 mm - at the side 0 mm - at the side 0 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - forwards 20 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - at the side 10 mm - downwards 10 mm		with vertical mounting surface +/-90° rotatable, with vertical mounting		
• side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • • with side-by-side mounting 20 mm - forwards 20 mm - upwards 10 mm - downwards 0 mm - at the side 0 mm • for grounded parts 20 mm - at the side 0 mm - at the side 0 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm <td></td> <td></td>				
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with side-by-side mounting -forwards -upwards -upwards -downwards -downwards -at the side 0 mm -at the side 0 mm -for grounded parts -forwards -forwards -upwards -forwards -forwards -upwards -upwards	depth	225 mm		
with side-by-side mounting -forwards -upwards -upwards -downwards -downwards -at the side 0 mm -at the side 0 mm -for grounded parts -forwards -forwards -upwards -forwards -forwards -upwards -upwards				
- forwards20 mm- upwards10 mm- downwards0 mm- at the side0 mm• for grounded parts0 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- downwards10 mm- for wards10 mm- forwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards6 mm				
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at the side10 mm downwards10 mm• for live parts forwards20 mm upwards10 mm upwards10 mm downwards10 mm at the side10 mm at the side25 mmwidth of connection bar25 mmthickness of connection bar6 mm	— at the side for grounded parts	10 mm 0 mm		
downwards10 mm• for live parts20 mm forwards20 mm upwards10 mm downwards10 mm at the side10 mm Connections/ Terminals 25 mmwidth of connection bar25 mmthickness of connection bar6 mm	 — at the side for grounded parts — forwards 	10 mm 0 mm 20 mm		
• for live parts20 mm— forwards20 mm— upwards10 mm— downwards10 mm— at the side10 mmDescription10 mmConnections/ Terminalswidth of connection bar25 mmthickness of connection bar6 mm	 at the side for grounded parts forwards upwards 	10 mm 0 mm 20 mm 10 mm		
forwards20 mm upwards10 mm downwards10 mm at the side10 mmConnections/ Terminalswidth of connection bar25 mmthickness of connection bar6 mm	 at the side for grounded parts forwards upwards at the side 	10 mm 0 mm 20 mm 10 mm 10 mm		
upwards 10 mm downwards 10 mm at the side 10 mm Connections/ Terminals 25 mm width of connection bar 25 mm thickness of connection bar 6 mm	 at the side for grounded parts forwards upwards at the side downwards 	10 mm 0 mm 20 mm 10 mm 10 mm		
downwards 10 mm at the side 10 mm Connections/ Terminals width of connection bar 25 mm thickness of connection bar 6 mm	 at the side for grounded parts forwards upwards at the side downwards for live parts 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm		
— at the side 10 mm Connections/ Terminals 25 mm width of connection bar 6 mm	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm		
Connections/ Terminals width of connection bar 25 mm thickness of connection bar 6 mm	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm 10 mm		
width of connection bar 25 mm thickness of connection bar 6 mm	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards upwards downwards 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm		
thickness of connection bar 6 mm	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards upwards at the side at the side 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm		
	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards upwards at the side downwards at the side 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm		
diameter of holes 11 mm	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards upwards at the side at the side 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
	 at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards downwards at the side downwards at the side 	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm		



number of holes		1				
type of electrical co	nnection					
 for main curren 			onnection bar			
 for auxiliary and 			rew-type terminals			
 at contactor for 	auxiliary contacts	Sc	rew-type terminals			
 of magnet coil 		Sc	rew-type terminals			
type of connectable	conductor cross-sec	tions				
 at AWG cables 	for main contacts	2/0	0 500 kcmil			
	ctor cross-section for	main				
contacts		=0	0.40			
stranded			240 mm²			
connectable conductor contacts	ctor cross-section for	auxiliary				
 solid or strande 	h	0.4	0.5 4 mm²			
	with core end processi		$5 \dots 2.5 \text{ mm}^2$			
	conductor cross-sec	<u> </u>	J 2.5 mm			
 for auxiliary cor 						
• for auxiliary cor — solid	IIduis	2	$(0.5 - 1.5 \text{ mm}^2) 2x (0.7$	$5 - 2.5 \text{ mm}^2$ may $2 \times (0.000)$	$75 (mm^2)$	
	an da d			5 2.5 mm ²), max. 2x (0		
— solid or str			, , ,	5 2,5 mm ²), max. 2x (0	,75 4 mm ⁻)	
-	nded with core end pro	-	(0.5 1.5 mm ²), 2x (0.7			
	for auxiliary contacts		(20 16), 2x (18 14),	1x 12		
AWG number as coordinates and section	ded connectable con	auctor cross				
 for auxiliary cor 	ntacts	18	14			
Safety related data	laoto	10				
			4 000 000			
B10 value with high demand rate acc. to SN 31920			1 000 000 IP00; IP20 with box terminal/cover			
protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529				act from the front with bo	x torminal/aquar	
suitability for use		111	ger-sale, for vertical cont		x terrinai/cover	
 safety-related s 		Ye				
-	-	Te	:5			
Certificates/ approval						
General Product Ap	oproval				EMC	
SP		<u>Confirmation</u>		EHC	RCM	
Functional Safety/Safety of Machinery	Declaration of Con	formity	Test Certificates			
<u>Type Examination</u> <u>Certificate</u>	<u>UK Declaration of</u> <u>Conformity</u>	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	<u>Miscellaneous</u>	
Marine / Shipping				other		
ABS	Lloyd's Register us	RMRS	DNV-GL Charles	<u>Confirmation</u>	<u>Miscellaneous</u>	
other		Railway				
<u>Miscellaneous</u>	Confirmation	Special Test Certific	<u>></u>			
		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=3RT1075-6AB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6AB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AB36

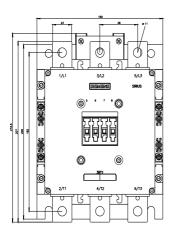
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1075-6AB36&lang=en

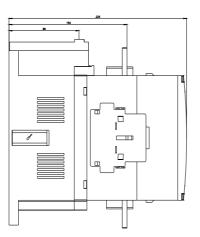
Characteristic: Tripping characteristics, I²t, Let-through current

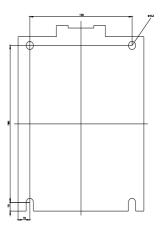
https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AB36/char

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

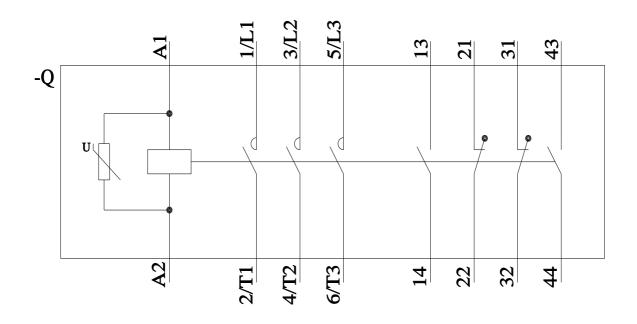
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6AB36&objecttype=14&gridview=view1











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12/23/2021 🖸

