## SIEMENS

## Data sheet

## 3RT1075-2AB36



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 Spring-type terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	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
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	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)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	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
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 rated value	430 A
• 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	
— 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
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	350 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	378 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	332 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	395 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	395 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	395 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	395 A
— up to 1000 V for current peak value n=20 rated value	180 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	264 A
— up to 400 V for current peak value n=30 rated value	264 A
— up to 500 V for current peak value n=30 rated value	264 A
— up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated	264 A 180 A
value	300 mm <sup>2</sup>
rated value operational current for approx. 200000 operating	
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	400.4
— 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				
<ul> <li>with 3 current paths in series at DC-1</li> </ul>					
— 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				
operational current					
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>					
— 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				
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					
— 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				
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>					
— 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					
• at AC-3					
— at 230 V rated value	132 kW				
— at 400 V rated value	200 kW				
— at 500 V rated value	250 kW				
— at 690 V rated value	400 kW				
	250 kW				
— at 1000 V rated value	250 KW				
— at 1000 V rated value operating power for approx. 200000 operating cycles at AC-4	250 KW				
operating power for approx. 200000 operating cycles	250 KW 85 KW				
operating power for approx. 200000 operating cycles at AC-4					
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	85 kW				
operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value	85 kW				
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	85 kW 133 kW				
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	85 kW 133 kW 150 000 kV·A 270 000 V·A 340 000 V·A				
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	85 kW 133 kW 150 000 kV·A 270 000 V·A 340 000 V·A 470 000 V·A				
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	85 kW 133 kW 150 000 kV·A 270 000 V·A 340 000 V·A				
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<ul> <li>operating power for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> </ul> </li> </ul>	85 kW 133 kW 150 000 kV·A 270 000 V·A 340 000 V·A 470 000 V·A 310 000 V·A 180 000 V·A 220 000 V·A 310 000 V·A 310 000 V·A 310 000 V·A				

<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	2 635 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	2 088 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at AC	2 000 1/h			
● at DC	2 000 1/h			
operating frequency				
• at AC-1 maximum	700 1/h			
• at AC-2 maximum	200 1/h			
• at AC-3 maximum	500 1/h			
• at AC-4 maximum	130 1/h			
Control circuit/ Control				
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC				
at 50 Hz rated value	23 26 V			
at 60 Hz rated value	23 26 V			
control supply voltage at DC	2020 V			
rated value	23 26 V			
operating range factor control supply voltage rated	23 20 V			
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				
• at 50 Hz	9.2 V·A			
• at 60 Hz	9.2 V·A			
inductive power factor with the holding power of the	5.2 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				
number of NC contacts for auxiliary contacts	2			
instantaneous contact				
number of NO contacts for auxiliary contacts	2			
instantaneous contact				
operational current at AC-12 maximum	10 A			
operational current at AC-15				
<ul> <li>at 230 V rated value</li> </ul>	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				
<ul> <li>at 24 V rated value</li> </ul>	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			
<ul> <li>at 220 V rated value</li> </ul>	1 A			
at 600 V rated value	0.15 A			
operational current at DC-13				
<ul> <li>at 24 V rated value</li> </ul>	10 A			
<ul> <li>at 48 V rated value</li> </ul>	2 A			
<ul> <li>at 60 V rated value</li> </ul>	2 A			
<ul> <li>at 110 V rated value</li> </ul>	1A			
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				
<ul> <li>at 480 V rated value</li> </ul>	361 A			
<ul> <li>at 600 V rated value</li> </ul>	382 A			
yielded mechanical performance [hp]				
• for 3-phase AC motor				
— at 200/208 V rated value	125 bb			
	125 hp			
— at 220/230 V rated value	150 hp			
— at 460/480 V rated value	300 hp			
— at 575/600 V rated value	400 hp			
contact rating of auxiliary contacts according to UL	A600 / Q600			
Short-circuit protection				
Short-circuit protection design of the fuse link				
design of the fuse link • for short-circuit protection of the main circuit	gG; 630 A (690 V, 100 kA)			
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> </ul>	gG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA) aM: 400 A (690 V, 50 kA) BS88: 450 A (415			
design of the fuse link • for short-circuit protection of the main circuit	gG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)			
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)			
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415			
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)			
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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			
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	<ul> <li>gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>214 mm</li> </ul>			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm			
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	<ul> <li>gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>214 mm</li> </ul>			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm			
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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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm 10 mm			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm			
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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 20 mm			
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         — upwards         — upwards         — upwards	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 20 mm			
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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         — downwards         — at the side         — downwards         — at the side         — downwards         — other side         — for live parts	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm			
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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         — downwards         — at the side         — downwards         — at the side         — downwards         — other side         — for live parts	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 20 mm 10 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				
diameter of holes	11 mm				
number of holes	1				
type of electrical connection					
for main current circuit	Connection bar				
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals				
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-tope terminals				
• of magnet coil	Spring-type terminals				
type of connectable conductor cross-sections	oping-type terminals				
at AWG cables for main contacts	2/0 500 kcmil				
connectable conductor cross-section for main					
contacts					
• stranded	70 240 mm²				
connectable conductor cross-section for auxiliary contacts					
<ul> <li>solid or stranded</li> </ul>	0.25 2.5 mm²				
<ul> <li>finely stranded with core end processing</li> </ul>	0.25 1.5 mm²				
<ul> <li>finely stranded without core end processing</li> </ul>	0.25 2.5 mm²				
type of connectable conductor cross-sections					
for auxiliary contacts					
— solid	2x (0.25 2.5 mm²)	2x (0.25 2.5 mm²)			
— solid or stranded	2x (0,25 2,5 mm <sup>2</sup> )				
<ul> <li>— finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)				
— finely stranded without core end processing	2x (0.25 2.5 mm <sup>2</sup> )				
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (24 14)				
AWG number as coded connectable conductor cross					
section					
<ul> <li>for auxiliary contacts</li> </ul>	24 14				
Safety related data					
product function mirror contact acc. to IEC 60947-4-1	Yes	Yes			
B10 value with high demand rate acc. to SN 31920	1 000 000				
product function positively driven operation acc. to IEC 60947-5-1	No				
protection class IP on the front acc. to IEC 60529	IP00; IP20 with box terminal/cover				
touch protection on the front acc. to IEC 60529	finger-safe, for vertical conta	ict from the front with I	oox terminal/cover		
suitability for use					
<ul> <li>safety-related switching OFF</li> </ul>	Yes				
Certificates/ approvals					
General Product Approval		EMC	Functional Safety/Safety of Machinery		
	EHC	RCM	<u>Type Examination</u> <u>Certificate</u>		
Test Certificates Marine / Ship	pping	other			
Type Test Certific- ates/Test Report       Special Test Certific- ate       Special Test Certific- ate         ABS	KMRS RAME	<u>Confirmation</u>	<u>Miscellaneous</u>		

## Railway

**Confirmation** 

**Miscellaneous** 

Special Test Certificate

**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=3RT1075-2AB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-2AB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-2AB36

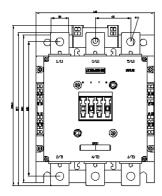
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

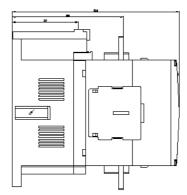
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1075-2AB36&lang=en

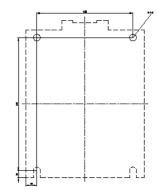
Characteristic: Tripping characteristics, I2t, Let-through current

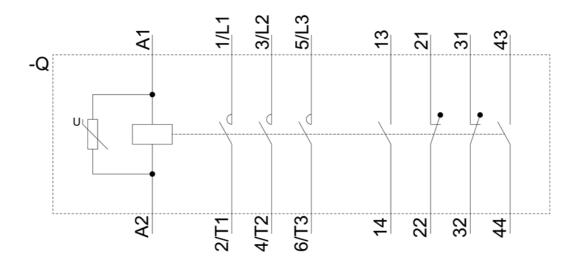
https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-2AB36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-2AB36&objecttype=14&gridview=view1









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