SIEMENS

Data sheet 3RT1075-6AP36



Power contactor, AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC operation 220-240 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
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
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	-25 +60 °C
ambient temperature during storage	-55 +80 °C
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
operating voltage at AC-3 rated value maximum operational current	1 000 V
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 $^{\circ}\text{C}$ 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
 at AC-4 at 400 V rated value 	350 A
 at AC-5a up to 690 V rated value 	378 A
 at AC-5b up to 400 V rated value 	332 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	395 A
— up to 400 V for current peak value n=20 rated value	395 A
— up to 500 V for current peak value n=20 rated value	395 A
— up to 690 V for current peak value n=20 rated value	395 A
— up to 1000 V for current peak value n=20 rated value	180 A
• at AC-6a	004.6
 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	300 mm ²
operational current for approx. 200000 operating cycles at AC-4	450.4
at 400 V rated value at 600 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
	33 A
— at 110 V rated value	
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A 0.6 A
— at 600 V rated value	0.0 A
 with 2 current paths in series at DC-1 — at 24 V rated value 	400 A
— at 24 V rated value — at 110 V rated value	400 A 400 A
	400 A
— at 220 V rated value — at 440 V rated value	400 A 4 A
— at 600 V rated value	2 A



a with 2 current noths in series at DC 1				
with 3 current paths in series at DC-1	400 A			
— at 24 V rated value	400 A			
— at 110 V rated value	400 A			
— at 220 V rated value	400 A 11 A			
— at 440 V rated value				
— at 600 V rated value	5.2 A			
operational current				
• at 1 current path at DC-3 at DC-5	400.4			
— 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				
• 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			
— 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 400 V rated value at 690 V rated value	133 kW			
operating apparent power at AC-6a	100 KW			
• 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 up to 1000 V for current peak value n=20 rated.	470 000 V·A			
 up to 1000 V for current peak value n=20 rated value 	310 000 V·A			
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 value	310 000 V·A			
short-time withstand current in cold operating state				
up to 40 °C	6 600 A; Use minimum cross-section acc. to AC-1 rated value			
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			
 up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	5 761 A; Use minimum cross-section acc. to AC-1 rated value			
 up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum 	5 761 A; Use minimum cross-section acc. to AC-1 rated value 4 143 A; Use minimum cross-section acc. to AC-1 rated value			
 up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	5 761 A; Use minimum cross-section acc. to AC-1 rated value 4 143 A; Use minimum cross-section acc. to AC-1 rated value 2 635 A; Use minimum cross-section acc. to AC-1 rated value			
 up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum 	5 761 A; Use minimum cross-section acc. to AC-1 rated value 4 143 A; Use minimum cross-section acc. to AC-1 rated value			
 up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	5 761 A; Use minimum cross-section acc. to AC-1 rated value 4 143 A; Use minimum cross-section acc. to AC-1 rated value 2 635 A; Use minimum cross-section acc. to AC-1 rated value			



• at DC	2 000 1/h
operating frequency	2 000 1/11
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	AO/DO
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC • at 50 Hz rated value	220 240 V
at 50 Hz rated value at 60 Hz rated value	220 240 V 220 240 V
	220 240 V
control supply voltage at DC	000 040 1/
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	
• at 50 Hz	830 V·A
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
apparent holding power of magnet coil at AC	
• at 50 Hz	9.2 V·A
inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.9
at 50 Hz closing power of magnet coil at DC	0.9 920 W
• at 50 Hz	
at 50 Hz closing power of magnet coil at DC	920 W
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC	920 W
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay	920 W 10 W
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC	920 W 10 W 45 100 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC	920 W 10 W 45 100 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay	920 W 10 W 45 100 ms 45 100 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time	920 W 10 W 45 100 ms 45 100 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 60 100 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC ordering time control version of the switch operating mechanism Auxiliary circuit	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC orening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC orening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
● at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay ● at AC ● at DC opening delay ● at AC ● at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 ● at 230 V rated value ● at 400 V rated value ● at 500 V rated value ● at 690 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
o at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay o at AC o at DC opening delay o at AC o at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 o at 230 V rated value o at 400 V rated value o at 500 V rated value o at 690 V rated value operational current at DC-12	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
o at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay o at AC o at DC opening delay o at AC o at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 o at 230 V rated value o at 400 V rated value o at 690 V rated value operational current at DC-12 o at 24 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
o at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay o at AC o at DC opening delay o at AC o at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 o at 230 V rated value o at 400 V rated value o at 690 V rated value operational current at DC-12 o at 24 V rated value o at 48 V rated value o at 48 V rated value o at 48 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
o at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay o at AC o at DC opening delay o at AC o at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 o at 230 V rated value o at 400 V rated value o at 690 V rated value operational current at DC-12 ot 24 V rated value operational current at DC-12 ot 24 V rated value ot 48 V rated value ot 460 V rated value ot 460 V rated value ot 47 value ot 48 V rated value ot 48 V rated value ot 48 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
o at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay o at AC o at DC opening delay o at AC o at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 o at 230 V rated value o at 400 V rated value o at 500 V rated value o at 690 V rated value operational current at DC-12 o at 24 V rated value operational current at DC-12 o at 24 V rated value o at 60 V rated value o at 60 V rated value o at 60 V rated value o at 110 V rated value o at 110 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2
o at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay o at AC o at DC opening delay o at AC o at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 o at 230 V rated value o at 400 V rated value o at 690 V rated value operational current at DC-12 ot 24 V rated value operational current at DC-12 ot 24 V rated value ot 48 V rated value ot 460 V rated value ot 460 V rated value ot 47 value ot 48 V rated value ot 48 V rated value ot 48 V rated value	920 W 10 W 45 100 ms 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2



at 600 V rated value	0.15 A		
operational current at DC-13	0.15 A		
• at 24 V rated value	10 A		
at 24 V rated value at 48 V rated value			
	2 A		
• at 60 V rated value	2 A		
• at 110 V rated value	1 A		
• at 125 V rated value	0.9 A		
• at 220 V rated value	0.3 A		
at 600 V rated value	0.1 A		
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
 at 480 V rated value 	361 A		
at 600 V rated value	382 A		
yielded mechanical performance [hp]			
 for 3-phase AC motor 			
— at 200/208 V rated value	125 hp		
 at 220/230 V rated value 	150 hp		
— at 460/480 V rated value	300 hp		
— at 575/600 V rated value	400 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
 for short-circuit protection of the main circuit 			
 — with type of coordination 1 required 	gG: 630 A (690 V, 100 kA)		
 — with type of 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			
Installation/ mounting/ dimensions mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
mounting position	surface +/- 22.5° tiltable to the front and back		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing		
mounting position fastening method • side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes		
mounting position fastening method • side-by-side mounting height	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm		
mounting position fastening method ● side-by-side mounting height width depth required spacing	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm		
mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm		
mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm		
mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm		
mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 10 mm 0 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 10 mm 0 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm		
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 — forwards — upwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards • for live parts — forwards — upwards — downwards — downwards — downwards — at the side	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm		
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 — forwards — upwards — at the side • for live parts — forwards — upwards — downwards — at the side — downwards — at the side — downwards — forwards — upwards — at the side — downwards — at the side Connections/ Terminals	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm		
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 — forwards — upwards — upwards — at the side • for live parts — forwards — upwards — downwards • for live parts — forwards — upwards — upwards — at the side — downwards — at the side — connection bar thickness of connection bar	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm		
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm		



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type of electrical connection	
for main current circuit	Connection bar
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
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	
 solid or stranded 	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12
 AWG number as coded connectable conductor cross section for auxiliary contacts 	18 14
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
product function	
 mirror contact acc. to IEC 60947-4-1 	Yes
 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 contact from the front with box terminal/cover
suitability for use safety-related switching OFF	Yes
Certificates/ approvals	
	Paglaretian of

General Product Approval

EMC

Declaration of Conformity













Declaration of Conformity	Test Certificates			Marine / Shipping	
Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate	<u>Miscellaneous</u>	ABS	RMRS

Marine / Shipping other Railway



Confirmation

Miscellaneous

Confirmation

Miscellaneous

Special Test Certificate

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) siemens .com/ic10



Industry Mall (Online ordering system)

mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1075-6AP36

Cax online generator

support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6AP36

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

support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AP36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1075-6AP36&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AP36/char

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

automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6AP36&objecttype=14&gridview=view1







