SIEMENS

Data sheet 3RT1076-2AP36



power contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC 220-240 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional spring-loaded terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
Seneral 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 	165 W
 at AC in hot operating state per pole 	55 W
 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 according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
mbient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	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
at AC-3e rated value maximum	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	610 A
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	610 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	550 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	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
• at AC-3e	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
 at AC-4 at 400 V rated value 	430 A
 at AC-5a up to 690 V rated value 	536 A
 at AC-5b up to 400 V rated value 	415 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	414 A
— up to 400 V for current peak value n=20 rated value	414 A
— up to 500 V for current peak value n=20 rated value	414 A
 — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated 	414 A 180 A
value • at AC-6a	
 up to 230 V for current peak value n=30 rated value 	276 A
 up to 400 V for current peak value n=30 rated value 	276 A
— up to 500 V for current peak value n=30 rated value	276 A
— up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated.	276 A 180 A
— up to 1000 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1	370 mm ²
rated value operational current for approx. 200000 operating	
cycles at AC-4	
• at 400 V rated value	175 A
at 690 V rated value	150 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
	ZA
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
— 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	
• at AC-3	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 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	98 kW
at 690 V rated value	148 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	160 000 kVA
up to 400 V for current peak value n=20 rated value	280 000 VA
• up to 500 V for current peak value n=20 rated value	350 000 VA
• up to 690 V for current peak value n=20 rated value	490 000 VA
 up to 1000 V for current peak value n=20 rated value 	310 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	110 000 VA

• up to 400 V for current peak value in=30 rated value • up to 500 V for current peak value in=30 rated value • up to 500 V for current peak value in=30 rated value • up to 100 V for current peak value in=30 rated value • up to 100 V for current peak value in=30 rated value • up to 100 V for current peak value in=30 rated value • up to 100 V for current peak value in=30 rated value • up to 100 V for current peak value in=30 rated value • limited to 15 s witching at zero current maximum • limited to 15 s witching at zero current maximum • limited to 10 s witching at zero cu		
• up to 890 V for current peak value n=30 rated value • up to 490 V for current peak value n=30 rated value • up to 40 °C • limited to 1 s withching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s witching at zero current maximum • limited to 30 s witching at zero current maximum • limited to 30 s witching at zero current maximum • limited to 30 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 60 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 70 s witching at zero current maximum • limited to 70 s witching at zero current maximum • at AC 2 maximum • at AC 2 maximum • at AC 2 maximum • at AC 3 maximum • at AC 3 maximum • at 60 Hz 2 20 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V • at 60 Hz 2 20 20 240 V	 up to 400 V for current peak value n=30 rated value 	190 000 VA
* up to 1000 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C * limited to 15 s witching at zero current maximum * limited to 55 s witching at zero current maximum * limited to 50 s switching at zero current maximum * limited to 30 s switching at zero current maximum * limited to 30 s switching at zero current maximum * limited to 30 s switching at zero current maximum * limited to 30 s switching at zero current maximum * limited to 30 s switching at zero current maximum * no-load switching frequency * at ACC 2 2000 1/h * at DC 2 2000 1/h * at ACC-1 maximum 5000 1/h * at ACC-3 maximum 420 1/h * at AC-3 maximum 420 1/h * at AC-3 maximum 420 1/h * at AC-4 maximum 170 1/h * at AC-3 maximum 420 1/h * at AC-4 maximum 130 1/h * control supply voltage at AC 220 240 V * at 50 1/t 2 rated value 220 240 V * at 50 1/t 2 rated value 220 240 V * at 50 1/t 2 rated value 220 240 V * at 50 1/t 2 rated value 220 240 V * at 50 1/t 2 34	 up to 500 V for current peak value n=30 rated value 	230 000 VA
value short-time withstand current in cold operating state up to 40 °C iminited to 1 s witching at zero current maximum iminited to 1 s witching at zero current maximum iminited to 1 s witching at zero current maximum iminited to 30 s witching at zero current maximum iminited to 30 s witching at zero current maximum iminited to 30 s witching at zero current maximum iminited to 30 s witching at zero current maximum no-load switching frequency at ACC 2000 th at CC 2000 th at CC 2000 th at ACC 300 th at ACC 3 maximum bype of voltage at AC at 50 thz rated value at 50 thz rated value control supply voltage at AC at 50 thz rated value control supply voltage at AC at 50 thz rated value control supply voltage at AC at 50 thz rated value control supply voltage at AC at 50 thz rated value control supply voltage at AC at 50 thz rated value control supply voltage at AC at 50 thz according to the control supply voltage rated value of magnet coil at AC at 50 thz at 50	 up to 690 V for current peak value n=30 rated value 	330 000 VA
short-time withstand current in cold operating state up to 40 °C imited to 1 a switching at zero current maximum imited to 5 a switching at zero current maximum imited to 50 s switching at zero current maximum imited to 80 s switching at zero current maximum imited to 80 s switching at zero current maximum imited to 80 s switching at zero current maximum no-load switching frequency at ACC at DC 2000 1/h	·	310 000 VA
up to 40 °C Imited to 1 s switching at zero current maximum Imited to 1 s switching at zero current maximum Imited to 1 s switching at zero current maximum Imited to 1 s switching at zero current maximum Imited to 30 s switching at zero current maximum Imited to 30 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 switching at zero current maximum Imited to 60 s switching at zero curren		
millited to 1 is switching at zero current maximum		
e limited to 5 s switching at zero current maximum e limited to 10 s switching at zero current maximum e limited to 30 s switching at zero current maximum no load switching frequency e at AC at DC 2000 1th e at DC coperating frequency e at AC-3 maximum extraction acc, to AC-1 rated value 2001 th 170 1th extraction acc, to AC-1 rated value 2001 th 2001	•	7.494 At Lice minimum erose coetion acc. to AC 1 rated value
Imitled to 10 s switching at zero current maximum Imitled to 80 s switching at zero current maximum Imitled to 80 s switching at zero current maximum 3 765 k; Use minimum cross-section acc. to AC-1 rated value 2 000 1/h 2		
limited to 80 s switching at zero current maximum 3765 Å; Use minimum cross-section acc. to AC-1 rated value 2887 Å; Use minimum cross-section acc. to AC-1 rated value 2887 Å; Use minimum cross-section acc. to AC-1 rated value 2887 Å; Use minimum cross-section acc. to AC-1 rated value 2887 Å; Use minimum cross-section acc. to AC-1 rated value 2000 1/h 2000		
e limited to 60 s witching at zero current maximum no-load switching frequency e at DC e at AC-1 maximum e at AC-3 maximum e at AC-4 maximum e at AC-4 maximum e at AC-3 maximum e at AC-2 maximum e at AC-3 maximum e at AC-2 maximum e at AC-3 maximum e at AC-2 maximum e at AC-2 maximum e		
no-load switching frequency • at AC • at DC operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-9 maximum • at BC-1 maximum •		
* at AC		2 007 A, USE Millimum Gross-Section acc. to AC-1 rated value
• at DC operating frequency • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-2 maximum • at BC-2 maximum • at AC-2 maximum • at BC-1 maximum • at BC-2 maximum •		2 000 1/h
operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum 420 1/h at AC-3 maximum 420 1/h at AC-4 maximum 130 1/h Control circuit Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 220 240 V at 60 Hz rated value 220 240 V control supply voltage at DC at 50 Hz rated value 220 240 V control supply voltage at DC initial value initial value initial value full-scale value operating range factor control supply voltage rated value of magnet coil at DC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 60 Hz at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 60 Hz at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 60 Hz		
* at AC-1 maximum		2 000 1/11
* at AC-2 maximum 420 1/h * at AC-3 maximum 420 1/h * at AC-3 maximum 420 1/h * at AC-4 maximum 130 1/h * at AC-4 maximum 130 1/h * at AC-4 maximum 130 1/h * at AC-4 maximum 130 1/h * at AC-4 maximum 130 1/h * Control circulti/ Control * type of voltage of the control supply voltage AC/DC control supply voltage at AC * at 50 Hz rated value 220 240 V * at 60 Hz rated value 220 240 V control supply voltage at DC * rated value 220 240 V operating range factor control supply voltage rated value of magnet coll at DC * initial value 0.8 * full-scale value 0.8 * full-scale value 0.8 * initial value 1.1 design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC * at 50 Hz 830 VA * at 60 Hz 0.9 * at 60 Hz		500.1/h
at AC-3 maximum at AC-3 maximum 130 1/h 220 1/h 420 1		
** at AC-3e maximum		
■ at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC ■ at 50 Hz rated value ■ at 60 Hz rated value ■ control supply voltage at DC ■ rated value Operating range factor control supply voltage rated value of magnet coil at DC ■ initial value ■ initial value □ initial value ■ initial value ■ initial value ■ at 50 Hz ■ at 50 Hz ■ at 60 Hz		
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control supply voltage at DC		
		220 240 V
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• full-scale value operating range factor control supply voltage rated value of magnet coil at AC		
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz p.2 VA inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz coil • at 50 Hz • at 60 Hz p.2 VA inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz coil • at 50 Hz • at 60 Hz 10.9 closing power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC	initial value	0.8
value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 50 Hz at 50 Hz but 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 60 Hz at 60 Hz at 60 Hz but 60 Hz at 60 Hz coil at 50 Hz but 60 Hz coil at 60 Hz coil but 60 Hz coil coil at 60 Hz coil coil at 60 Hz coil at 60 Hz coil coil coil at 60 Hz coil co	• full-scale value	1.1
at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 50 Hz at 60 Hz at 50 Hz		
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apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC • at AC • at DC •		
		with varistor
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apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 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 Substituting the control version of the switch operating mechanism Standard A1 - A2		
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inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC • at DC opening delay • at AC • at DC other in the holding power of the coil at DC 10 W closing delay • at AC • at DC opening delay • at AC • at DC other in the selection of the switch operating mechanism output Standard A1 - A2		
coil ● at 50 Hz		V.Z VA
 at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC 10 W closing delay at AC at DC 45 100 ms opening delay at AC at AC at DC at		
closing power of magnet coil at DC holding power of magnet coil at DC 10 W closing delay • at AC • at DC • at DC • at AC • at DC	• at 50 Hz	0.9
holding power of magnet coil at DC closing delay at AC at DC topening delay at AC at AC at AC by at AC copening delay at AC at AC copening delay at AC at DC at DC copening delay at DC standard A1 - A2	• at 60 Hz	0.9
holding power of magnet coil at DC closing delay at AC at DC topening delay at AC at AC at AC by at AC copening delay at AC at AC copening delay at AC at DC at DC copening delay at DC standard A1 - A2	closing power of magnet coil at DC	920 W
 at AC at DC 45 100 ms opening delay at AC at DC at DC at DC at DC arcing time control version of the switch operating mechanism Standard A1 - A2 		10 W
 at DC opening delay at AC at DC at DC at DC arcing time control version of the switch operating mechanism 45 100 ms 60 100 ms 10 15 ms Standard A1 - A2 	closing delay	
opening delay • at AC • at DC 60 100 ms • at DC 60 100 ms 10 15 ms control version of the switch operating mechanism Standard A1 - A2	• at AC	45 100 ms
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● at DC 60 100 ms arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2	opening delay	
arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2	• at AC	60 100 ms
control version of the switch operating mechanism Standard A1 - A2	• at DC	60 100 ms
Auxiliary circuit		Standard A1 - A2
	Auxiliary circuit	

number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
 at 230 V rated value 	6 A
 at 400 V rated value 	3 A
• at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
• at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1 A
at 125 V rated value	0.9 A
 at 220 V rated value 	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	477 A
• at 600 V rated value	472 A
yielded mechanical performance [hp] • for 3-phase AC motor	
— at 200/208 V rated value	150 hp
— at 220/230 V rated value	200 hp
— at 460/480 V rated value	400 hp
— at 575/600 V rated value	500 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	7,000 7,000
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: 500 A (690 V, 50 kA), BS88: 500 A (415
· 25	V, 50 kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	214 mm
width	160 mm
depth	225 mm
required spacing	
with side-by-side mounting	00
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	

— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
 for live parts 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
 for main current circuit 	Connection bar
 for auxiliary and control circuit 	spring-loaded terminals
 at contactor for auxiliary contacts 	Spring-type terminals
of magnet coil	Spring-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
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 	0.25 2.5 mm²
 finely stranded with core end processing 	0.25 1.5 mm²
finely stranded without core end processing	0.25 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.25 2.5 mm²)
— solid or stranded	2x (0,25 2,5 mm²)
 finely stranded with core end processing 	2x (0.25 1.5 mm²)
 finely stranded without core end processing 	2x (0.25 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (24 14)
AWG number as coded connectable conductor cross section	
for auxiliary contacts	24 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
positively driven operation according to IEC 60947-5-1	No
B10 value with high demand rate according to SN 31920	1 000 000
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according 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	
General Product Approval	EMC



Confirmation









Functional Safety/Safety of Declaration of Conformity Test Certificates Marine / Shipping

Machinery

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other







Miscellaneous

Confirmation

Confirmation

other

Railway

Miscellaneous

Special Test Certific-

<u>ate</u>

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=3RT1076-2AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-2AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-2AP36

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

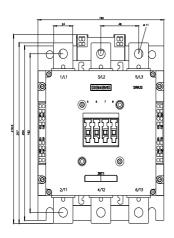
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1076-2AP36&lang=en

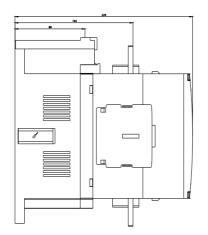
Characteristic: Tripping characteristics, I2t, Let-through current

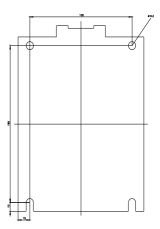
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-2AP36/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-2AP36&objecttype=14&gridview=view1







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6/25/2022