SIEMENS

Data sheet 3RT1076-2NB36



power contactor, AC-3e/AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC Uc: 21-27.3 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: spring-loaded 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 	165 W
 at AC in hot operating state per pole 	55 W
 without load current share typical 	3.6 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 protective separation 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 (operating 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
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 according to IEC 60068-2-30 maximum	95 %

ain 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-3 rated value maximum at AC-3e rated value maximum	1 000 V
	1 000 V
 operational current at AC-1 at 400 V at ambient temperature 40 °C rated value 	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	610 A
— up to 690 V at ambient temperature 60 °C rated value	550 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ 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	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	414 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	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	276 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	370 mm ²
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 60 V rated value	330 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 60 V rated value	400 A
— at 110 V rated value	400 A

at 220 V rated value	400 A
— at 220 V rated value — at 440 V rated value	4 A
— at 600 V rated value	2 A
	ZA
with 3 current paths in series at DC-1 — at 24 V rated value	400 A
— at 60 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	3.2 A
— at 24 V rated value	400 A
— at 60 V rated value	11 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	U.123 A
— at 24 V rated value	400 A
— at 60 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	0.07 A
— at 24 V rated value	400 A
— at 60 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	0.1011
• 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	440.000.14
up to 230 V for current peak value n=30 rated value	110 000 VA
up to 400 V for current peak value n=30 rated value	190 000 VA
up to 500 V for current peak value n=30 rated value	230 000 VA
up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=20 rated value	330 000 VA
up to 1000 V for current peak value n=30 rated value short-time withstand current in cold operating state up to	310 000 VA
40 °C	

# limited to 15 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 10 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 10 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 10 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 10 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 10 switching frequency # at AC = maximum		7.404.4.11
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no-load writching frequency at AC at DC operating frequency at AC-2 maximum at AC-2 maximum at AC-3 ma	-	
		2 887 A; Use minimum cross-section acc. to AC-1 rated value
## AC-1 maximum		
operating frequency a in AC-3 maximum a in AC-4 maximum bype of voltage of the control supply voltage control supply voltage at AC a in 50 Hz rated value 21 27, 3 V a 160 Hz rated value 21 27, 3 V a 160 Hz rated value 21 27, 3 V poperating range factor control supply voltage rated value of magnet coil at DC i initial value 5 initial value 6 initial value 7 initial value 8 initial value 9 initial value 1.1 Operating range factor control supply voltage rated value of magnet coil at AC a it 50 Hz a it 50 Hz bype of PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 consumed current at PLC-control input according to IEC 60947-4 in initial value 9 in initial value 1 in initial	• at AC	1 000 1/h
** at AC-2 maximum	• at DC	1 000 1/h
	operating frequency	
■ al AC-3 maximum ■ al AC-3 maximum ■ al AC-4 maximum ■ al BC-4 maximu	• at AC-1 maximum	500 1/h
e ist AC-3e maximum at AC-4 maximum 30 th	• at AC-2 maximum	170 1/h
• ot AC-4 maximum	• at AC-3 maximum	420 1/h
Control circuit/ Control Type of voltage of the control supply voltage at 50 Hz rated value at 60 Hz rated value at 60 Hz rated value 21 27.3 V control supply voltage at DC at rated value at 60 Hz rated value at 60 Hz rated value 21 27.3 V control supply voltage at DC at rated value at 60 Hz rated value bilitative value at 60 Hz bilitative value consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 at 60 Hz consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 at 60 Hz consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 control version of the voltage at PLC-control input doll according to IEC 60947-1 Type 2 control version of the virtue of the coil according to IEC 60947-1 at 60 Hz at 60	• at AC-3e maximum	420 1/h
type of voltage of the control supply voltage control supply voltage at AC • at 60 Hz rated value • at 60 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 • at 60 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC • initial value • at 60 Hz • at 60 Hz • at 60 Hz consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor of the voltage at PLC-control input operating range factor vith closing power of the coil • at 50 Hz • at 60 Hz •	at AC-4 maximum	130 1/h
control supply voltage at AC • at 60 Hz rafed value • at 60 Hz value • (IIII scale value	Control circuit/ Control	
■ at 50 Hz rated value 21 27.3 V • at 60 Hz rated value 21 27.3 V • at 60 Hz rated value 21 27.3 V • at 60 Hz rated value 0 are parting range factor control supply voltage rated value of magnet coil at DC • initial value • initial value 0 are fished value 0 a	type of voltage of the control supply voltage	AC/DC
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control supply voltage at DC • rated value • rates by 2 • at 80 H2 consumed current at PLC-control input according to IEC 69847-1 maximum voltage at PLC-control input according to IEC 69847-1 maximum voltage at PLC-control input according to IEC 69847-1 maximum voltage at PLC-control input according to IEC 69847-1 maximum voltage at PLC-control input according to IEC 69847-1 maximum voltage at PLC-control input according to IEC 69847-1 maximum voltage at PLC-control input according to IEC 90 mA 69847-1 maximum voltage at PLC-control input according to IEC 00 mA 69847-1 maximum voltage at PLC-control input according to IEC 00 mA 69847-1 maximum voltage at PLC-control input according to IEC 00 mA 03 m. 1.1 design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC • at 60 H2 • at 6	• at 50 Hz rated value	21 27.3 V
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operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz voltage at PLC-control input according to IEC 69947-1 type of PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control input according to IEC 69947-1 consumed current at PLC-control in	control supply voltage at DC	
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magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz alt 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 apparent with the holding power of the coil • at 50 Hz • at 60 Hz alt 60 Hz alt 60 Hz but for the surge suppressor at 60 Hz alt 60 Hz alt 60 Hz but for the surge suppressor and the surge surge surge surge suppressor and the surge suppressor and the surge sur	full-scale value	1.1
• at 60 Hz Type 0 PLC-control input according to IEC 60947-1 Type 2		
type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 woltage at PLC-control input rated value voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz 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 60 Hz apparent holding power of magnet coil at AC at 60 Hz at 60 Hz at 60 Hz but at 60 Hz closing power of magnet coil at DC bolding power of magnet coil at DC closing power of magnet coil at DC at AC a	● at 50 Hz	0.8 1.1
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at 50 Hz at 50 Hz at 50 Hz but 60 Hz at 50 Hz at 50 Hz but 60 Hz at 50 Hz but 60 Hz at 50 Hz but 60 Hz bu	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz yvA 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 holding power of magnet coil at DC closing delay at AC	● at 50 Hz	750 VA
at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz outlook at 50 Hz by VA at 60 Hz outlook at 50 Hz by VA at 60 Hz closing power of magnet coil at DC by VA bolding power of magnet coil at DC closing delay at AC at A	• at 60 Hz	750 VA
apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 9 VA inductive power factor with the holding power of the coil at 50 Hz other at 60 Hz 0.4 at 60 Hz 0.4 closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC building power of magnet coil at DC copening delay at AC at AC at AC at AC building power of magnet coil at DC copening delay at AC at AC at AC building power of magnet coil at DC copening delay at AC at AC building power of magnet coil at DC copening delay at AC at AC building power of magnet coil at DC copening delay at AC at AC building power of magnet coil at DC copening delay at AC building power of magnet coil at DC copening delay at AC building power of magnet coil at DC copening delay at AC building power of magnet coil at DC copening delay at AC building power of magnet coil at DC copening delay at AC building power of magnet coil at DC copening delay at AC building power of magnet coil at DC copening delay at AC copenin	inductive power factor with closing power of the coil	
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 • 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 • at DC arcing time • at DC 80 100 ms 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 contends 2	● at 50 Hz	0.8
at 50 Hz at 60 Hz by VA inductive power factor with the holding power of the coil at 50 Hz by At 60 Hz by At 60 Hz by At 60 Hz closing power of magnet coil at DC by At 60 Hz closing power of magnet coil at DC by At 60 Hz closing delay by At AC	• at 60 Hz	0.8
at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.4 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 at DC at DC bound of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 0.4 0.4 0.4 800 W 800	apparent holding power of magnet coil at AC	
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 D	• at 50 Hz	9 VA
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	● at 60 Hz	9 VA
olsing power of magnet coil at DC holding power of magnet coil at DC soling delay olsing de	inductive power factor with the holding power of the coil	
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 so ms opening delay • at AC • at DC so ms opening delay • at AC • at DC so ms • at DC so ms opening delay • at AC • at DC so ms opening delay • at AC • at DC so ms public magnet coil at DC so ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	• at 50 Hz	0.4
holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC opening delay at AC at DC so 90 ms opening delay at AC at DC so 100 ms arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	• at 60 Hz	0.4
closing delay	closing power of magnet coil at DC	800 W
 at AC at DC 60 90 ms opening delay at AC at DC at DC at DC at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 	holding power of magnet coil at DC	3.6 W
 at AC at DC 60 90 ms opening delay at AC at DC at DC at DC at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 	closing delay	
opening delay • at AC • at DC 80 100 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	• at AC	60 90 ms
 at AC at DC 80 100 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 	• at DC	60 90 ms
 at AC at DC 80 100 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 	opening delay	
arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2		80 100 ms
arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	• at DC	80 100 ms
control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2		
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2		
number of NO contacts for auxiliary contacts instantaneous 2	number of NC contacts for auxiliary contacts instantaneous	2
	number of NO contacts for auxiliary contacts instantaneous	2

operational current at AC-12 maximum	10 A	
operational current at AC-12 maximum	IVA	
at 230 V rated value	6 A	
at 400 V rated value at 500 V rated value	3 A	
	2 A	
at 690 V rated value	1 A	
operational current at DC-12	40.4	
• at 24 V rated value	10 A	
• at 48 V rated value	6 A	
at 60 V rated value	6 A	
at 110 V rated value	3 A	
• at 125 V rated value	2 A	
at 220 V rated value	1 A	
at 600 V rated value	0.15 A	
operational current at DC-13		
at 24 V rated value	10 A	
at 48 V rated value	2 A	
• at 60 V rated value	2 A	
• at 110 V rated value	1 A	
• at 125 V rated value	0.9 A	
• at 220 V rated value	0.3 A	
at 600 V rated value	0.1 A	
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)	
UL/CSA ratings		
full-load current (FLA) for 3-phase AC motor		
• 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		
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 V, 50	
2.00	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 		
— forwards	20 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	0 mm	
• for grounded parts		
— forwards	20 mm	
— upwards	10 mm	
•	10 mm	
— at the side	10 11111	
— at the side— downwards	10 mm	

General Product Approval		EMC
ertificates/ approvals		
 safety-related switching OFF 	Yes	
suitability for use		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box ter	minal/cover
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover	
T1 value for proof test interval or service life according to IEC 61508	20 a	
B10 value with high demand rate according to SN 31920	1 000 000	
 positively driven operation according to IEC 60947-5-1 	No	
 mirror contact according to IEC 60947-4-1 	Yes	
product function		
afety related data		
for auxiliary contacts	24 14	
section		
AWG number as coded connectable conductor cross	()	
for AWG cables for auxiliary contacts	2x (0.23 2.3 mm)	
— finely stranded with core end processing — finely stranded without core end processing	2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²)	
Solid of strainged finely stranded with core end processing	2x (0.25 2,5 min-) 2x (0.25 1.5 mm ²)	
— solid — solid or stranded	2x (0.25 2.5 mm²)	
— solid	2x (0.25 2.5 mm²)	
• for auxiliary contacts		
type of connectable conductor cross-sections	0.20 2.0 Hill	
finely stranded without core end processing	0.25 2.5 mm²	
finely stranded with core end processing	0.25 1.5 mm ²	
solid or stranded	0.25 2.5 mm²	
connectable conductor cross-section for auxiliary contacts		
stranded	70 240 mm²	
connectable conductor cross-section for main contacts		
number of holes	1	
diameter of holes	11 mm	
thickness of connection bar	6 mm	
width of connection bar	25 mm	
of magnet coil	Spring-type terminals Spring-type terminals	
at contactor for auxiliary contacts	Spring-type terminals	
for auxiliary and control circuit	spring-loaded terminals	
for main current circuit	Connection bar	
type of electrical connection		
onnections/ Terminals	10 111111	
— at the side	10 mm	
— upwards — downwards	10 mm	
· · · · · · · · · · · · · · · · · · ·	40	





Confirmation







Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other







Miscellaneous

Confirmation

Confirmation

other Railway

Miscellaneous Special Test Certific-

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT1076-2NB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-2NB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-2NB36

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

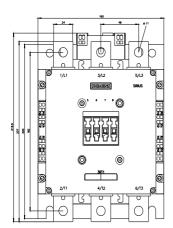
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1076-2NB36&lang=en

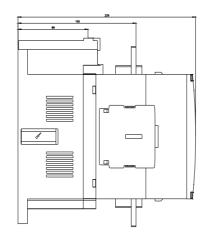
Characteristic: Tripping characteristics, I2t, Let-through current

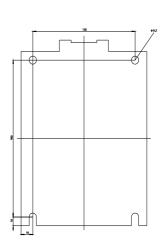
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-2NB36/char

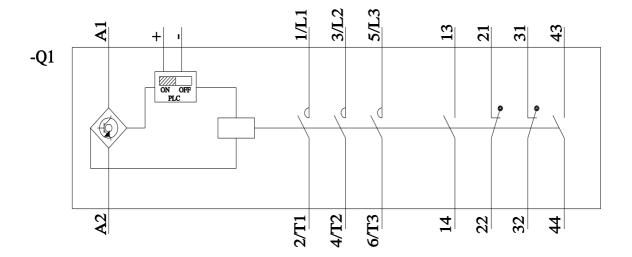
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-2NB36&objecttype=14&gridview=view1









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