SIEMENS

Data sheet 3RT1075-6NB36



power contactor, AC-3e/AC-3 400 A, 200 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: 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
 at AC in hot operating state per pole 	35 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-3e 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 $^{\circ}\text{C}$ rated value	430 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	400 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	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-3e	
— 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	180 A
value	
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	264 A
— up to 400 V for current peak value n=30 rated value	264 A
— up to 500 V for current peak value n=30 rated value	264 A
— up to 690 V for current peak value n=30 rated value	264 A
— up to 1000 V for current peak value n=30 rated value	180 A
minimum cross-section in main circuit at maximum AC-1 rated value	300 mm ²
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 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	
= cancert passio in contoc at Do-1	
— at 24 V rated value	400 A
— at 24 V rated value — at 60 V rated value	400 A 400 A

1000.1/	400 4
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	
— at 24 V rated value	400 A
— at 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	
— 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 	
— 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 	
— 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	
• 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
• at AC-3e	
— 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 690 V rated value	133 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	150 000 kVA
 up to 400 V for current peak value n=20 rated value 	270 000 VA
 up to 500 V for current peak value n=20 rated value 	340 000 VA
• up to 690 V for current peak value n=20 rated value	470 000 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	100 000 VA
• up to 400 V for current peak value n=30 rated value	180 000 VA
• up to 500 V for current peak value n=30 rated value	220 000 VA
• up to 690 V for current peak value n=30 rated value	310 000 VA
• up to 1000 V for current peak value n=30 rated value	310 000 VA
short-time withstand current in cold operating state up to	
40 °C	

Initiated to 5 is switching at 250 current maintain Initiated to 50 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at 250 current maintain Initiated to 60 is switching at		
File High Control Service Programment 414 St. Use minimum cross-section act. th AC-1 rated value 1800 to	limited to 1 s switching at zero current maximum	6 600 A; Use minimum cross-section acc. to AC-1 rated value
Filmidate Disa switching at zero current maximum 288 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2088 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use minimum cross-section acc. to AC-1 rated value 2081 A; Use of the AC-2 rate		
** imitined to 80 a switching at zero current maximum 2 088 A; Use minimum cross-section acc. to AC-1 rated value 1 000 1th 4 at DC 1 000 1th 1 000 1t	-	
Note	<u> </u>	
### APC 1000 1/h operating frequency ### APC-1 maximum 700 1/h ### APC-1 maximum 200 1/h ### APC-1 maximum 500 1/h ### APC-3 maximum 500 1/h ###		2 088 A; Use minimum cross-section acc. to AC-1 rated value
## ACC operating frequency ## AC-1 maximum ## A AC-2 maximum ## A AC-3 maximum ## A AC-4 maximum ## AC-4 m		
Operating frequency		
* at AC-1 maximum		1 000 1/h
■ al AG-2 maximum ■ al AG-3 mixmrum ■ al AG-3 mixmrum ■ al AG-3 mixmrum ■ al AG-4 maximum ■ al AG-4 maximu		
	• at AC-1 maximum	700 1/h
and AC-3e maximum and AC-4 maximum byoe of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 80 Hz at 80	• at AC-2 maximum	200 1/h
+ at AC-4 maximum	• at AC-3 maximum	500 1/h
Control circuit/ Control type of voltage of the control supply voltage at 60 Hz rated value at 60 Hz bype of PLC-control input according to IEC 60947-1 bype of	• at AC-3e maximum	500 1/h
type of voltage of the control supply voltage at AC * at 60 Hz rated value * at 60 Hz value * at 60 Hz * at 60	at AC-4 maximum	130 1/h
control supply voltage at AC • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value 0 poperating range factor control supply voltage rated value of magnet coil at AC • inful value • inful value • inful value • inful value • at 60 Hz •	Control circuit/ Control	
• at 50 Hz rated value 21 27.3 V at 60 Hz rated value 6 experting range factor control supply voltage rated value of magnet coil at DC at 60 Hz rated value 6 experting range factor control supply voltage rated value of magnet coil at AC at 60 Hz	type of voltage of the control supply voltage	AC/DC
• 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 • lull-scale value operating range factor control supply voltage rated value of magnet coil at DC • initial value • lull-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz value of PLC-control input according to IEC 60947-1 voltage 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 involtage 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 60 Hz • at 60 Hz at	control supply voltage at AC	
control supply voltage at DC • rated value • rates value • rated value • rates value • rate	• at 50 Hz rated value	21 27.3 V
	at 60 Hz rated value	21 27.3 V
operating range factor control supply voltage rated value of magnet coil at DC initial value 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 1.1 0.8 1.1 1	control supply voltage at DC	
Magnet coll at DC	rated value	21 27.3 V
e full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 50 Hz • at 60 Hz type of PLC-control input according to IEC 80947-1 type of PLC-control input according to IEC 80947-1 consumed current at PLC-control input according to IEC 80947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz •		
operating range factor control supply voltage rated value of magnet coil at AC at 50 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 to 10 Hz at 60 Hz by A at 60 Hz at 60 Hz at 60 Hz by A at 60 Hz by A at 60 Hz by A at 60 Hz at 70 Ms at 7	• initial value	0.8
magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz voltage at PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 voltage 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 yoA inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz at 60 Hz yoVA inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz at 60 Hz at 60 Hz but for the surge suppressor at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of the surge suppressor at 60 Hz at 60 Hz control of NC contacts for auxiliary contacts instantaneous contact contact 2	• full-scale value	1.1
• at 60 Hz type of PLC-control input according to IEC 60947-1 type 2 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 upparent pick-up power of magnet coll at AC at 60 Hz at 60 Hz to 80 Hz at 60 Hz ball 60 Hz at 60 Hz at 60 Hz ball 60 Hz at 60 Hz at 60 Hz ball 60 Hz at 60 Hz ball 60 Hz ball 60 Hz call 60 Hz ball 60 Hz call 60 Hz ball 60 Hz ball 60 Hz call 60 Hz call 60 Hz ball 60 Hz call 60 H		
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consumed current at PLC-control input according to IEC 60947-f maximum voltage at PLC-control input rated value 24 V operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC a 150 Hz 50 Hz 50 Hz 0.8 ant 60 Hz 0.8 apparent holding power of magnet coil at AC a 150 Hz a 150 Hz b 2 0.8 apparent holding power of magnet coil at AC a 150 Hz b 3 Hz 0.8 a 150 Hz 0.9 VA 0.4 a 150 Hz 0.4 a 150 Hz 0.4 a 150 Hz 0.4 a 150 Hz 0.5 a 150 Hz 0.6 a 150 Hz 0.7 b 2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	• at 60 Hz	0.8 1.1
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 10 ductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 2 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 holding power of magnet coil at AC • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 10 Hz • at 1	type of PLC-control input according to IEC 60947-1	Type 2
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		20 mA
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 0.8 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 100 Hz • at 60 Hz 100 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz 100 Hz closing power of magnet coil at DC holding power of magnet coil at DC solong delay • at AC • at DC • at D	voltage at PLC-control input rated value	24 V
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 apparent holding power of magnet coil at AC • at 60 Hz • at DC	operating range factor of the voltage at PLC-control input	0.8 1.1
at 50 Hz at 60 Hz at 50 Hz binductive power factor with closing power of the coil at 50 Hz at 60 Hz binductive power of magnet coil at AC at 60 Hz binductive power of magnet coil at AC at 60 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power of magnet coil at DC binductive power of magnet coil at DC binding power of magnet coil	design of the surge suppressor	with varistor
at 50 Hz at 60 Hz by VA at 60 Hz at 50 Hz at 60 Hz by VA at 60 Hz at 50 Hz at 60 Hz by VA at 60 Hz closing power of magnet coil at DC bolding power of magnet coil at DC closing delay at AC a	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 inductive power factor with the holding power of the coil at 50 Hz at 50 Hz at 60 Hz out 50 Hz out 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC solding power of magnet coil at DC closing delay at AC at	● 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 at 60 Hz outline power factor with the holding power of the coil at 50 Hz at 60 Hz outline power of magnet coil at DC at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at	• at 60 Hz	750 VA
apparent holding power of magnet coil at AC at 50 Hz at 60 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 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 building power of magnet coil at DC copening delay at AC building power of magnet coil at DC building	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 at DC sopening delay • at AC • at DC • 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 2	● at 50 Hz	0.8
at 50 Hz at 60 Hz at 60 Hz by VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz by A 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 by A output by A	● 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 at DC opening delay at AC at DC at DC bound of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous collaboration of the switch operation stantaneous are stantage of the coil of the switch operation auxiliary contacts instantaneous at 50 Hz 0.4 0.4 800 W	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 DC opening delay • at AC • at DC • at DC at DC • at DC Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	● at 50 Hz	9 VA
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otosing power of magnet coil at DC holding power of magnet coil at DC closing delay ot the AC	inductive power factor with the holding power of the coil	
closing power of magnet coil at DC holding power of magnet coil at DC 3.6 W closing delay • at AC • at DC opening delay • at AC • at DC so at DC opening delay • at AC • at DC 80 90 ms 60 90 ms 60 90 ms 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	● 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 • at AC • at DC 60 90 ms opening delay • at AC • at DC 80 100 ms • 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	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 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 DC opening delay at AC at DC 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 at DC acting 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 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	opening delay	
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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
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	arcing time	10 15 ms
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
contact 2 number of NO contacts for auxiliary contacts instantaneous 2	Auxiliary circuit	
		2
		2

operational current at AC-12 maximum	10 A
operational current at AC-12 maximum	IVA
at 230 V rated value	6 A
	3 A
 at 400 V rated value at 500 V rated value 	
	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	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
With type of deelignment 2 required	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
mounting position fastening method	
	+/- 22.5° tiltable to the front and back
fastening method	+/- 22.5° tiltable to the front and back screw fixing
fastening method ● side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing Yes
fastening method ● side-by-side mounting height	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm
fastening method • side-by-side mounting height width	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm
fastening method • side-by-side mounting height width depth	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm
fastening method • side-by-side mounting height width depth required spacing	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm
fastening method	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm
fastening method	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	+/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm
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	+/- 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
fastening method	+/- 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
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fastening method	+/- 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

— 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	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
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)
 for 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	
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
T1 value for proof test interval or service life according to IEC 61508	20 a
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 Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping

other













other		Railway		
Confirmation	<u>Miscellaneous</u>	Vibration and Shock	Special Test Certific-	

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=3RT1075-6NB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6NB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6NB36

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

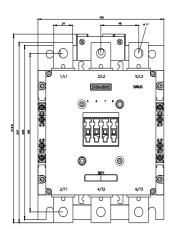
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1075-6NB36&lang=en

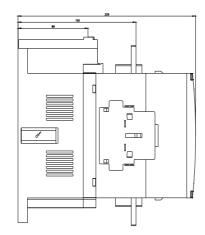
Characteristic: Tripping characteristics, I2t, Let-through current

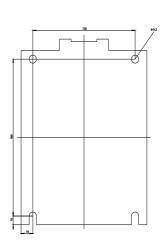
https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6NB36/char

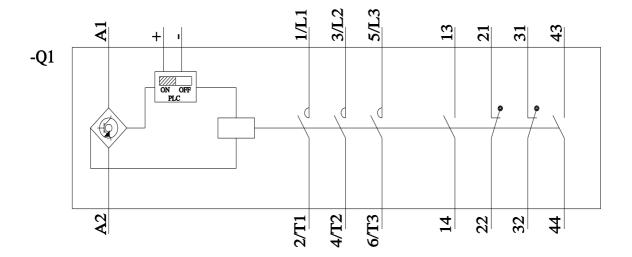
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6NB36&objecttype=14&gridview=view1









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