SIEMENS

Data sheet 3RT1064-6PF35



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 96-127 V PLC input 24 V DC 3-pole, auxiliary contacts 1 NO + 1 NC drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal with remaining lifetime indicator

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
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	51 W
 at AC in hot operating state per pole 	17 W
 without load current share typical 	3.4 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
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Perfluorbutansulfonsäure (PFBS) und ihre
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 %
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	275 A
 at AC-1 up to 690 V at ambient temperature 40 °C rated 	275 A
value	2100
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	250 A
— up to 1000 V at ambient temperature 40 °C rated value	100 A
— up to 1000 V at ambient temperature 60 °C rated value	100 A
• at AC-3	225 A
— at 400 V rated value — at 500 V rated value	225 A 225 A
— at 500 V rated value — at 690 V rated value	225 A
— at 1000 V rated value◆ at AC-3e	68 A
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	68 A
at AC-4 at 400 V rated value	195 A
• at AC-5a up to 690 V rated value	242 A
• at AC-5b up to 400 V rated value	186 A
• at AC-6a	100 A
— up to 230 V for current peak value n=20 rated value	225 A
— up to 400 V for current peak value n=20 rated value	225 A
— up to 500 V for current peak value n=20 rated value	225 A
— up to 690 V for current peak value n=20 rated value	225 A
— up to 1000 V for current peak value n=20 rated	68 A
value	00 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	172 A
— up to 400 V for current peak value n=30 rated value	172 A
— up to 500 V for current peak value n=30 rated value	172 A
— up to 690 V for current peak value n=30 rated value	172 A
— up to 1000 V for current peak value n=30 rated	68 A
walue minimum cross-section in main circuit at maximum AC-1 rated	150 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	96 A
• at 690 V rated value	85 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
with 2 current paths in series at DC-1	

— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	11 A
— at 600 V rated value	4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	200 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
with 2 current paths in series at DC-3 at DC-5	000 A
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 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	000 A
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	1.4 A
— at 600 V rated value operating power	0.75 A
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	54 kW
at 690 V rated value	82 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	90 000 kVA
• up to 400 V for current peak value n=20 rated value	150 000 VA
• up to 500 V for current peak value n=20 rated value	190 000 VA
• up to 690 V for current peak value n=20 rated value	260 000 VA
up to 1000 V for current peak value n=20 rated value	110 000 VA
operating apparent power at AC-6a	00.000.1/4
• up to 230 V for current peak value n=30 rated value	60 000 VA
• up to 400 V for current peak value n=30 rated value	110 000 VA
• up to 500 V for current peak value n=30 rated value	140 000 VA
 up to 690 V for current peak value n=30 rated value 	200 000 VA

• up to 1000 V for current peak value m=30 rated value short-time withstand current in cold operating state up to 40 °C • limited to 1 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited withing maximum • limited to 10 s withing at zero current maximum • limited withing maximum • limited withing maximum • limited withing maximum • limited to 10 s withing at zero current maximum • limited withing maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current maximum • limited to 10 s withing at zero current max		
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no-load switching frequency	-	
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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 • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 530 VA 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 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA		
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design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 50 Hz sapparent pick-up power of magnet coil at AC • at 50 Hz • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at 50 Hz • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA	·	0.8 1.1
apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 60 Hz — at 50 Hz — at 50 Hz saparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent pick-up power of the coil • at 50 Hz • at 60 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA		
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- at 50 Hz - at 60 Hz 400 VA • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz 530 VA apparent pick-up power of magnet coil at AC • at 50 Hz • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz at 60 Hz 0.8 apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC - at 50 Hz - at 60 Hz 5.5 VA 5.5 VA		
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- at 50 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 5.5 VA	at maximum rated control supply voltage at AC	
- at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC - at 50 Hz - at 50 Hz - at 60 Hz 530 VA 530 VA 0.8 0.8 0.8 2.8 VA 3.4 VA 4 VA 4 VA 4 VA 4 VA 5.5 VA 5.5 VA 5.5 VA		530 VA
 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 minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC 3.4 VA apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA 5.5 VA 	— at 50 Hz	530 VA
 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 minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC 3.4 VA apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA 5.5 VA 	apparent pick-up power of magnet coil at AC	
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 at 50 Hz at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at AC at minimum rated control supply voltage at AC at 50 Hz at 60 Hz 5.5 VA 5.5 VA 	• at 60 Hz	530 VA
apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC at 50 Hz at 60 Hz 0.8 2.8 VA 3.4 VA 5.5 VA	inductive power factor with closing power of the coil	
apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA	• at 50 Hz	0.8
 at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC 3.4 VA apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA	• at 60 Hz	0.8
apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA	apparent holding power	
apparent holding power	 at minimum rated control supply voltage at DC 	2.8 VA
at minimum rated control supply voltage at AC at 50 Hz at 60 Hz 5.5 VA 5.5 VA	 at maximum rated control supply voltage at DC 	3.4 VA
— at 50 Hz 5.5 VA 5.5 VA 5.5 VA	apparent holding power	
— at 60 Hz 5.5 VA	 at minimum rated control supply voltage at AC 	
	— at 50 Hz	5.5 VA
at maximum rated control comply valtage at \$0	— at 60 Hz	5.5 VA
● at maximum rated control supply voltage at AC	 at maximum rated control supply voltage at AC 	
— at 50 Hz 8.5 VA	— at 50 Hz	8.5 VA
— at 60 Hz 8.5 VA	— at 60 Hz	8.5 VA
apparent holding power of magnet coil at AC	apparent holding power of magnet coil at AC	

* all 50 PE	15011	0.5.1/4
Industrie power factor with the holding power of the coil	• at 50 Hz	8.5 VA
		8.5 VA
e. at 60 Hz		
Closing power of magnet coll at DC		
Inciding power of magnet coll at DC		
Closing delay		
		3.4 W
## AT CC Opening delay		
Opening delay		
ear IAC 80 100 ms ear IDC 80 100 ms arcing time 10 15 ms controt version of the switch operating mechanism FLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of INC contacts for auxiliary contacts instantaneous contact number of INC contacts for auxiliary contacts instantaneous contact number of INC contacts of auxiliary contacts instantaneous ontact contact operational current at AC-I2 maximum 10 A operational current at AC-I2 maximum 10 A operational current at AC-I2 tax operational current at AC-I2 tax of 1230 V rated value 3 A of 1240 V rated value 1 A operational current at DC-I2 of 124 V rated value 1 A of 160 V rated value 1 A of 160 V rated value 1 A of 160 V rated value 3 A of 160 V rated value 1 A of 160 V rated value 1 A of 160 V rated value 1 A of 160 V rated value 2 A of 160 V rated value 3 A of 160 V rated value 2 A of 160 V rated value 3 A of 160 V rated value 4 A of 160 V rated value 5 A of 160 V rated value 5 A of 160 V rated value 6 A of 160 V rated value 7 A of 160 V rate		45 80 ms
# at DC 80 100 ms arcing time 10 15 ms Countrol version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit Tumber of NC contacts for auxiliary contacts instantaneous contact 1 10 10 10 10 10 10 10		20. 400
arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Avxillary circuit number of NC contacts for auxillary contacts instantaneous contact number of NO contacts for auxillary contacts instantaneous contact number of NO contacts for auxillary contacts instantaneous contact number of NO contacts for auxillary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 2 A at 400 V rated value 1 A 0 A 1 450 V rated value 2 A 1 450 V rated value 1 A 0 A 1 48 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value 1 A 1 A 1 110 V rated value		
control version of the switch operating mechanism Auxiliary circuit unumber of NC contacts for auxiliary contacts instantaneous contact unumber of NC contacts for auxiliary contacts instantaneous contact contact Operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value operational current at DC-12 • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 80 V rated value • at 80 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 80 V		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contract operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 800 V rated value • at 80 V rated value • at 80 V rated value • at 80 V rated value • at 100 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 24 V rated value • at 250 V rated value • at 120 V rated value • at 24 V rated value • at 250 V rated value • at 30 V rated valu		
		PLC-IN or Standard A1 - A2 (adjustable)
Contact Cont		
Donational current at AC-12 maximum 10 A	•	
at 230 V rated value		1
at 230 V rated value	·	10 A
* at 400 V rated value	•	
* at 500 V rated value		
• at 690 V rated value		
Operational current at DC-12		
	at 690 V rated value	1 A
• at 48 V rated value 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6	operational current at DC-12	
	at 24 V rated value	10 A
	at 48 V rated value	6 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 600 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 3 A • at 125 V rated value 4 A • at 100 V rated value 9 A • at 100 V rated value 9 A • at 125 V rated value 9 A • at 125 V rated value 9 A • at 220 V rated value 9 A • at 220 V rated value 9 A • at 3220 V rated value 9 A • at 600 V rated value 180 A • at 600 V rated value 192 A yielded mechanical performance [hp] • for 3-phase AC motor 9 A • at 220/230 V rated value 150 hp • at 460/480 V rated value 150 hp • at 460/480 V rated value 150 hp • at 460/480 V rated value 150 hp • at 65/600 V rated value 150 hp • at 65/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit 9 G: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) Key	at 60 V rated value	6 A
• at 220 V rated value	• at 110 V rated value	3 A
• at 600 V rated value	at 125 V rated value	2 A
operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 280 V rated value • at 280 V rated value • at 290 V rated value • at 390 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 200/208 V rated value • at 250/200 V rated value • at 260/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 600 V g600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit • with type of assignment 2 required • gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	at 220 V rated value	1 A
• at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 122 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value contact reliability of auxiliary contacts full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value pielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value - at 460/480 V rated value - at 675/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required GG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	at 600 V rated value	0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 220/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) 	operational current at DC-13	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value 0.1 A contact reliability of auxiliary contacts I 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 at 600 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 220/230 V rated value at 480/400 V rated value for bp at 460/480 V rated value at 450/5600 V rated value for ph at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) GG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) 	at 24 V rated value	10 A
at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 2600 V rated value before 3-phase AC motor at 2600/208 V rated value at 2600/208 V rated value at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value at 2600/208 V rated value at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208 V rated value before 3-phase AC motor at 2600/208	at 48 V rated value	2 A
at 125 V rated value at 220 V rated value 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 180 A at 600 V rated value 192 A yielded mechanical performance [hp] of or 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link of r short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required - sate 200 Np - sate 200 N	at 60 V rated value	2 A
at 220 V rated value at 600 V rated value 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 at 600 V rated value befor 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	at 110 V rated value	1 A
• at 600 V rated value 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 • at 600 V rated value • at 600 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 4575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 9G: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	at 125 V rated value	0.9 A
contact reliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) ULI/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 180 A • at 600 V rated value 192 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	at 220 V rated value	0.3 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	at 600 V rated value	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 192 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value 60 hp — at 220/230 V rated value 75 hp — at 460/480 V rated value 150 hp — at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)		1 faulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 192 A yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 50 hp at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) 	UL/CSA ratings	
at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	• at 480 V rated value	180 A
	at 600 V rated value	192 A
- at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	yielded mechanical performance [hp]	
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required GG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	• for 3-phase AC motor	
- at 460/480 V rated value - at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required GG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	— at 200/208 V rated value	60 hp
- at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	— at 220/230 V rated value	75 hp
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link ● for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required GG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	— at 460/480 V rated value	150 hp
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required GG: 500 A (690 V, 100 kA) — with type of assignment 2 required GG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	— at 575/600 V rated value	200 hp
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	contact rating of auxiliary contacts according to UL	A600 / Q600
 ◆ for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required GG: 500 A (690 V, 100 kA) — gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) 	Short-circuit protection	
 — with type of coordination 1 required — with type of assignment 2 required — gG: 500 A (690 V, 100 kA) — gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) 	design of the fuse link	
— with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)	 for short-circuit protection of the main circuit 	
kA)	 — with type of coordination 1 required 	gG: 500 A (690 V, 100 kA)
,	 — with type of assignment 2 required 	
	for short-circuit protection of the auxiliary switch required	

required	
stallation/ 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	210 mm
width	165 mm
depth	202 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
— 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
onnections/ Terminals	10 min
type of electrical connection	
for main current circuit	Connection bar
for auxiliary and control circuit at contractor for auxiliary contractor	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	T
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 mm ²
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
afety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947-5-1 	No
suitability for use safety-related switching OFF	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
nuctoation along ID on the front according to ICC C0500	IP00; IP20 with box terminal/cover
protection class IP on the front according to IEC 60529	



Confirmation





<u>KC</u>



EMC	Safety/Safety of Ma- chinery

Declaration of Conformity

Test Certificates



Type Examination Certificate

Eupotional





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping









Confirmation

other

other

Railway

Miscellaneous

Miscellaneous

Confirmation

Vibration and Shock

Special Test Certificate

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=3RT1064-6PF35

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6PF35

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6PF35

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

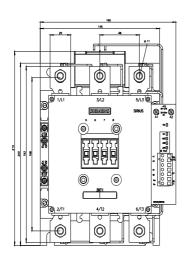
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1064-6PF35&lang=en

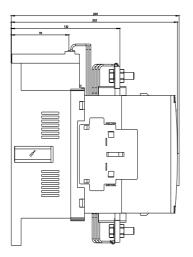
Characteristic: Tripping characteristics, I2t, Let-through current

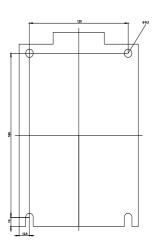
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6PF35/char

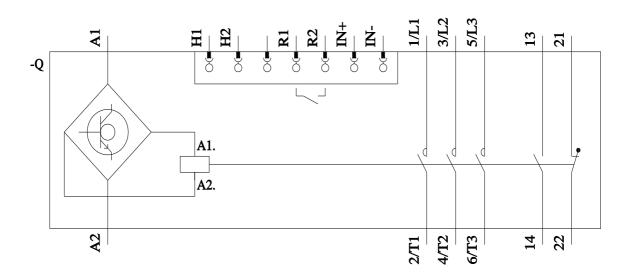
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6PF35&objecttype=14&gridview=view1









last modified:

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