Data sheet

3RT1065-6NP36-3PA0



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 200-277 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC permanently mounted 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	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 	54 W
 at AC in hot operating state per pole 	18 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
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	95 %

maximum	
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 	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
at AC-3 — at 400 V rated value	265. A
	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-3e	005.4
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-4 at 400 V rated value	230 A
at AC-5a up to 690 V rated value	290 A
at AC-5b up to 400 V rated value	219 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	265 A
— up to 400 V for current peak value n=20 rated value	265 A
— up to 500 V for current peak value n=20 rated value	265 A
— up to 690 V for current peak value n=20 rated value	265 A
 up to 1000 V for current peak value n=20 rated value 	95 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	184 A
— up to 400 V for current peak value n=30 rated value	184 A
— up to 500 V for current peak value n=30 rated value	184 A
— up to 690 V for current peak value n=30 rated value	184 A
— up to 1000 V for current peak value n=30 rated	95 A
value value ross-section in main circuit at maximum AC-1 rated	185 mm²
value operational current for approx. 200000 operating cycles at	
AC-4	
at 400 V rated value	117 A
at 690 V rated value	105 A
pperational current	
• at 1 current path at DC-1	
— at 24 V rated value	300 A
— at 60 V rated value	300 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	300 A
— at 60 V rated value	300 A

— at 110 V rated value	300 A
— at 220 V rated value	300 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	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 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	300 A
— at 60 V rated value	11 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
with 2 current paths in series at DC-3 at DC-5	200 4
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 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	300 A
— at 60 V rated value	300 A 300 A
— at 110 V rated value	300 A
— at 220 V rated value	1.4 A
— at 440 V rated value — at 600 V rated value	0.75 A
operating power	0.75 A
at AC-2 at 400 V rated value	132 kW
• at AC-3	102 RVV
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	
4	
at 400 V rated value	66 kW
at 690 V rated value	102 kW
operating apparent power at AC-6a	400 000 14/4
up to 230 V for current peak value n=20 rated value	100 000 kVA
up to 400 V for current peak value n=20 rated value	180 000 VA
up to 500 V for current peak value n=20 rated value	220 000 VA
up to 690 V for current peak value n=20 rated value	310 000 VA
up to 1000 V for current peak value n=20 rated value	160 000 VA
operating apparent power at AC-6a	70 000 VA
up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value	70 000 VA
 up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	120 000 VA 150 000 VA
- up to 500 v tot cutterit peak value II-30 lateu value	100 000 1/1
• up to 690 V for current peak value n=30 rated value	220 000 VA

r	
up to 1000 V for current peak value n=30 rated value	160 000 VA
short-time withstand current in cold operating state up to 40 °C	
	4 000 A. Haa minimum areas continues to AC 4 retail value
limited to 1 s switching at zero current maximum limited to 5 s quitables at zero current maximum	4 880 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	4 045 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	2 785 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	1 664 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	1 276 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	000.4#
• at AC-1 maximum	800 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	500 1/h
at AC-3e maximum	500 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	AODO
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	200 277 V
at 60 Hz rated value	200 277 V
control supply voltage at DC	
• rated value	200 277 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
at 50 Hz	0.8 1.1
at 60 Hz	0.8 1.1
type of PLC-control input according to IEC 60947-1	Type 2
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power	
at minimum rated control supply voltage at AC	
— at 50 Hz	
— at 60 Hz	400 VA
, , , , , , , , , , , , , , , , , , ,	400 VA 400 VA
 at maximum rated control supply voltage at AC 	
at maximum rated control supply voltage at AC at 60 Hz	
11.1	400 VA
— at 60 Hz	400 VA 530 VA
— at 60 Hz — at 50 Hz	400 VA 530 VA
— at 60 Hz — at 50 Hz apparent pick-up power of magnet coil at AC	400 VA 530 VA 530 VA
— at 60 Hz — at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz	400 VA 530 VA 530 VA 530 VA
— at 60 Hz — at 50 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz	400 VA 530 VA 530 VA 530 VA
- at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil	400 VA 530 VA 530 VA 530 VA 530 VA
- at 60 Hz - at 50 Hz 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	400 VA 530 VA 530 VA 530 VA 530 VA 0.8
- at 60 Hz - at 50 Hz 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	400 VA 530 VA 530 VA 530 VA 530 VA 0.8
- at 60 Hz - at 50 Hz 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 apparent holding power	400 VA 530 VA 530 VA 530 VA 530 VA 0.8
- at 60 Hz - at 50 Hz 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 apparent holding power • at minimum rated control supply voltage at DC	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8
- at 60 Hz - at 50 Hz 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 apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8
— at 60 Hz — at 50 Hz 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 apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8
- at 60 Hz - at 50 Hz 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 • 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	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8 2.8 VA 3.4 VA
- at 60 Hz - at 50 Hz 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 • 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	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8 2.8 VA 3.4 VA
- at 60 Hz - at 50 Hz 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 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	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8 2.8 VA 3.4 VA
- at 60 Hz - at 50 Hz 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 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 • at maximum rated control supply voltage at AC	400 VA 530 VA 530 VA 530 VA 530 VA 0.8 0.8 2.8 VA 3.4 VA

* a150 Hz * a160	-4.50.11-	0.5.\/\
Industry power factor with the holding power of the coll	• at 50 Hz	8.5 VA
		8.5 VA
act 00 Hz Coloning power of magnet coil at DC S80 W		
Closing power of magnet coil at DC		
Debting power of magnet coil at DC 3.4 W		
Closing delay		
		3.4 W
opening delay		
		45 80 ms
# at DC # arring time		
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 contact operational current at AC-12 maximum 10 A operational current at AC-13 maximum 10 A operational current at AC-15 aximum 10 A operational current at AC-15 aximum 10 A operational current at DC-12 aximum 10 A operational current at DC-13 aximum 10 A operational cu		
Control version of the switch operating mechanism		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 at 230 V rated value at 400 V rated value 2 A at 500 V rated value 1 A operational current at AC-16 at 120 V rated value 1 A operational current at AC-17 at 150 V rated value 1 A operational current at AC-12 at 24 V rated value 1 A operational current at AC-12 at 120 V rated value 6 A at 150 V rated value 1 A at 25 V rated value 1 A at 26 V rated value 1 A at 27 V rated value 1 A at 28 V rated value 1 A at 29 V rated value 1 A at 20 V rated value 2 A at 24 V rated value 2 A at 48 V rated value 2 A at 40 V rated value 2 A at 50 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 2 A at 220 V rated value 2 A at 40 V rated value 2 A 44 O A 45 OV rated value 2 A 45 OV rated value 2 A 46 OV rated value 2 A 47 OV rated value 2 A 48 OV rated value 2 A 48 OV rated value 2 A 49 OV rated value 2 A 40		
		PLC-IN or Standard A1 - A2 (adjustable)
contact		
contact cont	contact	
Departional current at AC-15		2
* at 230 V rated value	·	10 A
** at 400 V rated value	•	
• at 500 V rated value		
• at 690 V rated value 10 A oparational current at DC-12 • at 24 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 110 V rated value 3 A • at 220 V rated value 2 A • at 220 V rated value 0.15 A oparational current at DC-13 • at 24 V rated value 10 A • at 600 V rated value 10 A • at 600 V rated value 2 A • at 48 V rated value 2 A • at 60 V rated value 3 A • at 60 V rated value 1 A • at 60 V rated value 1 A • at 60 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 2 A • at 480 V rated value 2 A • at 600 V rated value 3 A • at 600 V rated		
Operational current at DC-12		
• at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 1100 V rated value • at 220 V rated value • at 800 V rated value • at 800 V rated value • at 800 V rated value • at 80 V rated value • at 80 V rated value • at 80 V rated value • at 120 V rated value • at 120 V rated value • at 180 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at		1 A
* at 48 V rated value * at 60 V rated value * at 110 V rated value * at 110 V rated value * at 125 V rated value * at 220 V rated value * at 220 V rated value * at 800 V rated value * at 600 V rated value * at 48 V rated value * at 48 V rated value * at 48 V rated value * at 600 V rated value * at 100 V rated value * at 110 V rated value * at 110 V rated value * at 110 V rated value * at 1220 V rated value * at 220 V rated value * at 220 V rated value * at 220 V rated value * at 200 V rated value * at 600 V rated value * at 480 V rated value * at 600 V rated value * at 220/230 V rated value * at 220/230 V rated value * at 260/600 V rated value * at 375/600 V rated value * at 60/480 V rated value *	•	
• at 60 V rated value • at 110 V rated value • at 1250 V rated value • at 2220 V rated value • at 2200 V rated value • at 3600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 60 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 200 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value		
• at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 60 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 125 V rated value • at 20 V rated value • at 600 V rated value • 240 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 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 — at 675/600 V rated value — at 675/600 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 coordination 1 required — with type of assignment 2 required 96: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50		
• at 220 V rated value • at 600 V rated value operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 25 V rated value • at 25 V rated value • at 260 V rated value • at 260 V rated value • at 27 V rated value • at 28 V rated value • at 28 V rated value • at 28 V rated value • at 29 V rated value • at 30 V rated value • at 30 V rated value • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for 3-phase AC motor • at 220/230 V rated value • at 60/480 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 60/480 V rate		
• at 600 V rated value		
operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • 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 600 V rated value • at 500 V rated value • at 57 bp - at 200/208 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 - at 575/600 V rated value - at 600 V rated value - at		
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value 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 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 22 A ylelded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value at 600 V pated value at 600 V pated value at 600 V pated value at 575/600 V rated value 250 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 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 		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 220 V rated value at 600 V rated value 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 for 3-phase AC motor for 3-phase AC motor 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 assignment 2 required GG: 500 A (690 V, 100 kA), am: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 	·	40.4
 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 0.9 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 at 600 V rated value at 600 V rated value at 600 V rated value at 22 A yielded mechanical performance [hp] of or 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value por 3-phase AC motor at 200/208 V rated value por 3-phase AC motor at 250/600 V rated value 200 hp at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link of or short-circuit protection of the main circuit with type of coordination 1 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 		
 at 110 V rated value at 125 V rated value 3.3 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 at 600 V rated value at 600 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value at 480/480 V rated value at 450/480 V rated value at 575/600 V rated value 200 hp at 575/600 V rated value 250 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 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 		
at 125 V rated value at 220 V rated value 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 at 600 V rated value 240 A at 600 V rated value 242 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 - with type of coordination 1 required - 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)		
at 220 V rated value at 600 V rated value 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 240 A at 600 V rated value 242 A yielded mechanical performance [hp] of or 3-phase AC motor - 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 of or 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)		
otate treliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) ULICSA ratings full-load current (FLA) for 3-phase AC motor otat 480 V rated value otat 600 V rated value interpretation of the fuse link otat 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link otat 600 V, 100 kA) with type of assignment 2 required O.1 A 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 242 A 242 A 250 hp 200 hp 200 hp 250 hp 250 hp 250 hp 250 Na (690 V, 100 kA) 360 V (690 V, 100 kA) 375 A (690 V, 50 kA), BS88: 400 A (415 V, 50 MS) 375 A (690 V, 50 kA), BS88: 400 A (415 V, 50 MS)		
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 • 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 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		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value 75 hp — at 220/230 V rated value 100 hp — at 460/480 V rated value 200 hp — at 575/600 V rated value 250 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)		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 240 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 250 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) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50)		riadity Switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 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 at 575/600 V rated value bp at 575/600 V rated value 250 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 		
at 600 V rated value yielded mechanical performance [hp] of or 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 of or 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)		240 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 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) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50)		
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 — at 575/600 V rated value		474 N
- at 200/208 V rated value - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 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		
— 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)	•	75 hn
- at 460/480 V rated value - at 575/600 V rated value 250 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)		
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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		
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— 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	•	rG: 500 A (690 V 100 kA)
	**	
	yp 2 or woodyon 2 royunou	
◆ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)	• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)

mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
mounting position	+/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 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	
ype 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	70 240 mm²
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	0.5 4 mm²
solid or stranded finely stranded with core and processing.	0.5 4 mm ²
finely stranded with core end processing annestable conductor areas sections.	0.5 2.5 mm²
ype of connectable conductor cross-sections	
for auxiliary contacts	2v (0.5
— 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) 2x (20 16) 2x (18 14) 1x 12
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	2x (20 16), 2x (18 14), 1x 12
section	
for auxiliary contacts	18 14
fety 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
310 value with high demand rate according to SN 31920	1 000 000
F1 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
ouch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
ertificates/ approvals	



Confirmation





<u>KC</u>



Functional
Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Miscellaneous

other Railway

<u>Confirmation</u> <u>Miscellaneous</u> <u>Special Test Certificate</u>

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=3RT1065-6NP36-3PA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6NP36-3PA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6NP36-3PA0

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

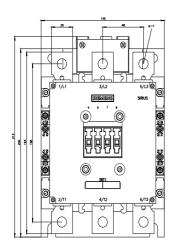
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-6NP36-3PA0\&lang=en}}$

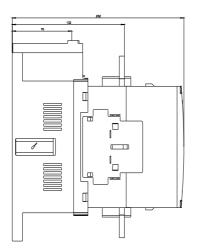
Characteristic: Tripping characteristics, I2t, Let-through current

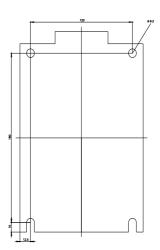
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6NP36-3PA0/char

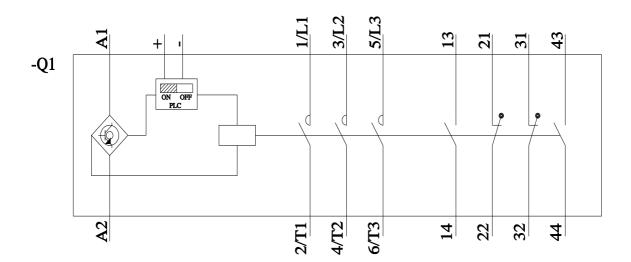
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6NP36-3PA0&objecttype=14&gridview=view1



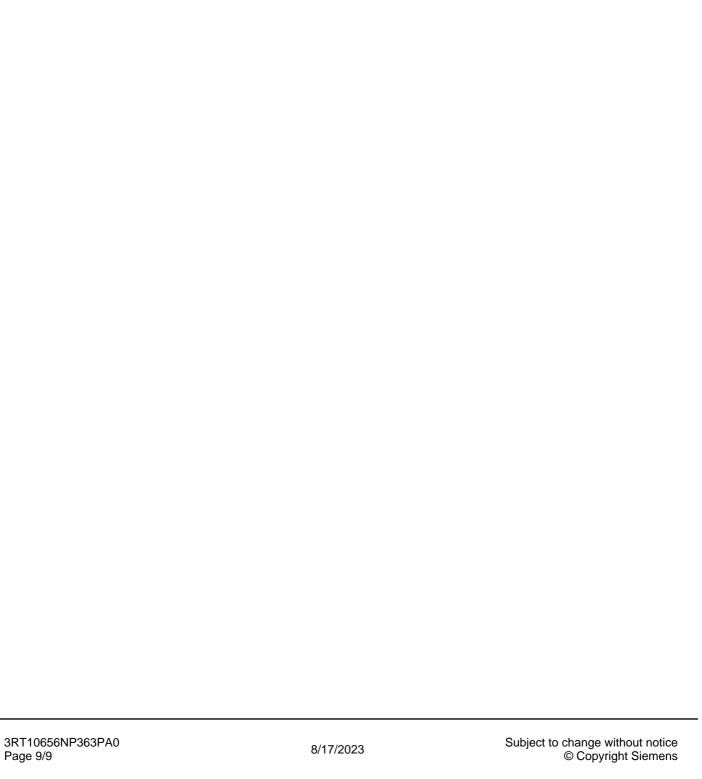






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