SIEMENS

Data sheet

3RT1065-6NB36



power contactor, AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC operation 21-27.3 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: electronic with PLC interface 24 V DC screw terminal

product designation Power contactor product type designation 3RT1 General technical data 3 size of contactor S10 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 54 W • at AC in hot operating state per pole 18 W • of main circuit with degree of pollution 3 rated value 1000 V • of main circuit value due 8 kV • of maxiliary circuit rated value 8 kV • at AC 8.5g / 5 ms, 4.2g / 10 ms • at AC 8.5g / 5 ms, 4.2g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 10.000 000 • at AC	product brand name	SIRIUS
product type designation 3RT1 General technical data	-	
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Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	Substance Prohibitance (Date)	05/01/2012
ambient temperature • during operation -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	 during operation 	-25 +60 °C
	 during storage 	-55 +80 °C

— 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 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 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 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
• with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	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	
— at 24 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 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	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 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	
• 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	160 000 VA
value	
operating apparent power at AC-6a	70.000 \/A
• up to 230 V for current peak value n=30 rated value	70 000 VA
• up to 400 V for current peak value n=30 rated value	120 000 VA
• up to 500 V for current peak value n=30 rated value	150 000 VA

 up to 690 V for current peak value n=30 rated value 	220 000 VA
• up to 1000 V for current peak value n=30 rated value	160 000 VA
value	
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching 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	
 at AC-1 maximum 	800 1/h
 at AC-2 maximum 	300 1/h
 at AC-3 maximum 	700 1/h
 at AC-3e maximum 	700 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	-
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
 at 50 Hz rated value 	21 27.3 V
• at 60 Hz rated value	21 27.3 V
control supply voltage at DC	
rated value	21 27.3 V
type of PLC-control input according to IEC 60947-1	Туре 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	0.8 1.1
input 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
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
• at 50 Hz	530 VA
• at 60 Hz	530 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.8
apparent holding power of magnet coil at AC • at 50 Hz	5 VA
• at 50 Hz	5 VA
inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.5
• at 60 Hz	0.5
closing power of magnet coil at DC	580 W
holding power of magnet coil at DC	3.4 W
closing delay	
● at AC	45 80 ms
● at DC	45 80 ms
opening delay	
• at AC	80 100 ms
at DC	80 100 ms

Control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary carcuit Immed of NC contacts in auxiliary contacts 2 Instance AINO contacts in auxiliary contacts 2 operational current at AC-15 6 A et al 30 V rated value 3 A et al 400 V rated value 3 A et al 30 V rated value 3 A et al 30 V rated value 6 A et al 30 V rated value 6 A et al 30 V rated value 6 A et al 40 V rated value 6 A et al 50 V rated value 6 A et al 50 V rated value 7 A et 4 4 V rated value 7	arcing time	 10 15 ms
Austiany circuit 2 Implant of KC contacts for auxiliary contacts 2 Instantaneous contact 2 Instantaneous contact instantaneous contact 2 Instantaneous contact instaneous contact insta		PLC-IN or Standard A1 - A2 (adjustable)
number of NC contracts for auxiliary contracts 2 number of NC contracts contact 2 instantaneous contact 2 operational current at AC-19 maximum 10.A operational current at AC-19 6 if 400 V rated value 2.A if 400 V rated value 2.A if 400 V rated value 10.A operational current at AC-12 10.A if 400 V rated value 6.A if 400 V rated value 6.A if 400 V rated value 6.A if 410 V rated value 6.A if 410 V rated value 7.A if 42 V rated va		
instantaneous contact poperational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 300 V rated value • at 400 V	number of NC contacts for auxiliary contacts	2
operational current at AC-15 et 230 V rated value et 430 V rated value et 430 V rated value et 430 V rated value 2 A et 430 V rated value 2 A et 430 V rated value 2 A et 430 V rated value 4 A vested value et 430 V rated value 4 A vested value 4 A vested value et 430 V rated value 0.15 A eperational current at DC-13 et 420 V rated value 2 A et 430 V rated value 0.3 A et 430 V rated value 2 A et 430 V rated value 2 A et 440 V rated value 2 A et		2
ext 230 V rated value 6 A ext 4300 V rated value 1 A oparational current at DC-12 1 A ext 430 V rated value 1 A oparational current at DC-12 1 A ext 600 V rated value 6 A ext 220 V rated value 1 A out 120 V rated value 0.15 A operational current at DC-13 1 A ext 220 V rated value 0.15 A operational current at DC-13 1 A ext 220 V rated value 0.3 A ext 200 V rated value 0.3 A ext 200 V rated value 0.3 A ext 200 V rated value 240 A ext 200 V ra	operational current at AC-12 maximum	10 A
ext 230 V rated value 6 A ext 4300 V rated value 1 A oparational current at DC-12 1 A ext 430 V rated value 1 A oparational current at DC-12 1 A ext 600 V rated value 6 A ext 220 V rated value 1 A out 120 V rated value 0.15 A operational current at DC-13 1 A ext 220 V rated value 0.15 A operational current at DC-13 1 A ext 220 V rated value 0.3 A ext 200 V rated value 0.3 A ext 200 V rated value 0.3 A ext 200 V rated value 240 A ext 200 V ra		
• at 500 V rated value 1A • at 680 V rated value 1A • at 24 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 70 V rated value 6 A • at 80 V rated value 6 A • at 80 V rated value 2 A • at 220 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 0 A • at 80 V rated value 2 A • at 80 V rated value 2 A • at 80 V rated value 0.15 A operational current at DC-13 0 A • at 80 V rated value 2 A • at 80 V rated value 0.3 A • at 125 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) ULCSA ratings 1 full-ded current (FLA) for 3-phase AC motor - • at 600 V rated value 240 A • at 600 V rated value 200 A - at 200208 V rated value 250 hp at 200208 V rated	-	6 A
• et 690 V rated value 1 A operational current at DC-12 0 A • at 42 V rated value 6 A • at 430 V rated value 6 A • at 100 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 200 V rated value 0.15 A • operational current at DC-13 0.15 A • at 20 V rated value 2 A • at 80 V rated value 0.9 A • at 20 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UCCSA ratings 100 V rated value • at 800 V rated value 240 A • at 800 V rated value 240 A • at 480 V rated value 240 A • at 480 V rated value 240 A • at 800 V rated value 240 A • for 400 V rated value<	 at 400 V rated value 	3 A
operational current at DC-12 10 A • at 24 V rated value 10 A • at 40 V rated value 6 A • at 60 V rated value 6 A • at 125 V rated value 2 A • at 220 V rated value 10 A • at 250 V rated value 10 A • at 260 V rated value 10 A • at 260 V rated value 10 A • at 420 V rated value 2 A • at 60 V rated value 2 A • at 125 V rated value 0.3 A • at 250 V rated value 0.4 • at 260 V rated value 240 A • at 260 V rated value 250 hp contact rat	• at 500 V rated value	2 A
• at 24 V rated value 10 A • at 48 V rated value 6 A • at 100 V rated value 3 A • at 120 V rated value 2 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A • operational current at DC-13 0.15 A • at 40 V rated value 10 A • at 40 V rated value 2 A • at 40 V rated value 10 A • at 40 V rated value 2 A • at 40 V rated value 2 A • at 40 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 75 hp • at 600 V rated value 200 hp • at 600 V rated value	• at 690 V rated value	1 A
• at 48 V rated value 6 A • at 50 V rated value 6 A • at 150 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 200 V rated value 0.15 A operational current at DC-13 0.15 A • at 200 V rated value 10 A • at 240 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 0.3 A • at 200 V rated value 0.3 A • at 200 V rated value 0.3 A • at 200 V rated value 0.1 A • at 200 V rated value 0.1 A • at 200 V rated value 240 A • at 600 V rated value 250 hp • for 3-phase AC motor - - at 200/200 V r	operational current at DC-12	
• at 60 V rated value 6 A • at 110 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 10 A • at 24 V rated value 10 A • at 250 V rated value 2 A • at 30 V rated value 2 A • at 30 V rated value 2 A • at 10 V rated value 0.9 A • at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings UL/CSA ratings Vielded mechanical performance [hp] 6 rd 3-phase AC motor • at 400 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 250 hp • at 600 V rated value 250 hp • at 500 V rated value 250 hp • at 500 V rated value 250 hp • at 57500 V rated value 250 hp • or short-circuit protection of the main circuit gG: 500 A (690 V, 100 kA), mil 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 10 kA), amil 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 3 A • at 125 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 • 0 A • at 24 V rated value 10 A • at 24 V rated value 10 A • at 24 V rated value 2 A • at 25 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0 A • at 10 V rated value 0 A • at 25 V rated value 0 A • at 200 V rated value 0 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 250 hp at 220/230 V rated value 250 hp at 220/230 V rated value 250 hp at 576/900 V rated value 250 hp	 at 48 V rated value 	6 A
• at 125 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0.9 A • at 125 V rated value 0.1 A • at 220 V rated value 0.1 A • at 60 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 75 hp full-load current (FLA) for 3-phase AC motor - at 600 V rated value • at 600 V rated value 240 A • at 600 V rated value 200 hp at 220/230 V rated value 200 hp at 200/200 V rated value 200 hp other circuit protection of the main circuit - at 675/600 V rated value	 at 60 V rated value 	6 A
• at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 10 A • at 24 V rated value 2 A • at 100 V rated value 2 A • at 100 V rated value 0.9 A • at 220 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 110 million (17 V, 1 mA) UL/CSA ratings 240 A • at 600 V rated value 200 A • at 600 V rated value 200 hp - at 200/200 V rated value 200 hp - at 420/200 V rated value 200 hp - at 420/200 V rated value 200 hp - at 420/200 V rated value 260 hp contact rating of auxiliary contacts according to UL Sci 00 A (690 V, 100 kA) g6: 400 A (6	 at 110 V rated value 	3 A
• at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 10 A • at 24 V rated value 2 A • at 100 V rated value 2 A • at 100 V rated value 0.9 A • at 220 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 110 million (17 V, 1 mA) UL/CSA ratings 240 A • at 600 V rated value 200 A • at 600 V rated value 200 hp - at 200/200 V rated value 200 hp - at 420/200 V rated value 200 hp - at 420/200 V rated value 200 hp - at 420/200 V rated value 260 hp contact rating of auxiliary contacts according to UL Sci 00 A (690 V, 100 kA) g6: 400 A (6	at 125 V rated value	2 A
• at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 61 V rated value 2 A • at 10 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A • at 200 V rated value 0.1 A • at 200 V rated value 0.1 A • at 600 V rated value 240 A • at 600 V rated value 250 hp - at 200/208 V rated value 250 hp - at 200/208 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the main circuit - with type of assignment 2 required • for short-circuit protection of the auxiliary switch	at 220 V rated value	
operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 10 V rated value 2 A • at 110 V rated value 1 A • at 22 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 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 240 A • at 600 V rated value 200 A • at 600 V rated value 200 hp - at 220/230 V rated value 200 hp - at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required		
• at 24 V rated value 10 Å • at 48 V rated value 2 Å • at 60 V rated value 2 Å • at 110 V rated value 1 Å • at 125 V rated value 0.9 Å • at 220 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings		
 at 48 V rated value at 60 V rated value at 10 V rated value at 125 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 575/600 V rated value at 600 V 6600 bfort-circuit protection of the main circuit with type of assignment 2 required at 575/600 V rated value brot-circuit protection of the main circuit with type of assignment 2 required at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value at 575/600 V rated		10 A
 et 60 V rated value et 110 V rated value et 120 V rated value 0.9 A et 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings full-load current (FLA) for 3-phase AC motor et 480 V rated value 240 A et 480 V rated value 242 A yielded mechanical performance [hp] for 3-phase AC motor et 480 V rated value 242 A yielded mechanical performance [hp] for 3-phase AC motor et 3200/208 V rated value 200 / po V rated value 200 / po et 357/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-clicuit protection design of the fuse link for short-circuit protection of the main circuit gG: 500 A (690 V, 100 kA) et or short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 100 kA) et or short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA), ath: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) for short-circuit protection of the auxiliary switch required surface +7-22.5° tiltable to the first amounting surface +7-90° rotatable, with vertical mounting surface +7-90° rota		
 e at 110 V rated value 1 A eit 125 V rated value 0,9 A eit 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 Tull-load current (FLA) for 3-phase AC motor eit 600 V rated value 240 A eit 600 V rated value 242 A yielded mechanical performance [hp] for 3-phase AC motor - at 200/200 V rated value 220/230 V rated value 75 hp - at 200/200 V rated value 200 hp - at 200/200 V rated value 200 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 200 hp - with type of assignment 2 required 96: 500 A (690 V, 100 kA), gG: 500 A (690 V, 100 kA), gG: 400 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required if of (500 V, 100 kA) if of short-circuit protection of the auxiliary switch required yi of (510 A (500 V, 100 kA), gG: 10 A (500 V, 10 kA) if of short-circuit protection of the 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 1 full-load current (FLA) for 3-phase AC motor 4 48 40 V rated value • at 4800 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 75 hp - at 200/208 V rated value 200 hp - at 220/230 V rated value 200 hp - at 220/230 V rated value 200 hp - at 220/230 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the main circuit - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required gG: 500 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 auxiliary switch required gG: 10 A (500 V, 1 kA) mounting positi		
• at 200 V rated value 0.3 Å • at 600 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA raings 1 full-load current (FLA) for 3-phase AC motor 240 Å • at 600 V rated value 240 Å • at 600 V rated value 242 Å yielded mechanical performance [hp] 6 • for 3-phase AC motor 75 hp - at 220/230 V rated value 100 hp - at 220/230 V rated value 200 hp - at 457/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - 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 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) monting position with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatabl		
• 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 240 A • 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 450/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit G: 400 A (690 V, 100 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required G: 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 auxiliary switch required gG: 10 A (500 V, 100 kA) mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatabl		
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 4 480 V rated value e at 600 V rated value 240 A sat 600 V rated value 242 A yielded mechanical performance [hp] 6 for 3-phase AC motor - at 200/208 V rated value 75 hp - at 220/230 V rated value 200 hp - at 200/208 V rated value 200 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 A600 / Q600 Short-circuit protection 4690 V, 100 kA) design of the fuse link 6 for short-circuit protection of the main circuit - with type of coordination 1 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) gG: 10 A (500 V, 1 kA) installation/ mounting dimensions gG: 10 A (500 V, 1 kA) mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5" tittable to the front and back fastening method screw fixing • side-by-side mounti		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 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 75 hp - at 220/230 V rated value 200 hp - at 220/230 V rated value 200 hp - at 450/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 500 A (690 V, 100 kA) design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 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 auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, 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 145 mm depth 202 mm		
full-load current (FLA) for 3-phase AC motor 240 A • at 480 V rated value 242 A yielded mechanical performance [hp] 242 A • for 3-phase AC motor 75 hp - at 200/208 V rated value 75 hp - at 202/230 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 460480 V rated value - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of coordination 1 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 auxiliary switch required gG: 10 A (500 V, 1 kA) installation/ mounting/ dimensions gG: 10 A (500 V, 1 kA) 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 145 mm depth 202 mm required spacing 90 mm		
• at 480 V rated value 240 A • at 600 V rated value 242 A yleided 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 260/480 V rated value 200 hp - at 460/480 V rated value 250 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: 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) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting • side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing 20 mm		
• 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 220/30 V rated value 100 hp - at 460/480 V rated value 200 hp - at 4575/600 V rated value 250 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 - 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 short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) • fastening method screw fixing • side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing 20 mm		240 A
yielded mechanical performance [hp] • for 3-phase AC motor at 220/208 V rated value 75 hp at 220/230 V rated value 100 hp at 450/480 V rated value 200 hp at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 460/480 V rated value 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 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-9		
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- at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 450/480 V rated value 200 hp - at 575/600 V rated value 250 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 - 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) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions 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 445 mm depth 202 mm required spacing 020 mm		
- 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 A600 / Q600 Short-circuit protection 4600 / Q600 Gesign 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 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • 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) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) • 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 • with side-by-side mounting 20 mm		75 hp
at 460/480 V rated value200 hp at 575/600 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link• for short-circuit protection of the main circuitgG: 500 A (690 V, 100 kA)- with type of coordination 1 requiredgG: 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 auxiliary switch requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)• fastening methodscrew fixing• side-by-side mountingYesheight210 mmwidth145 mmdepth202 mm• with side-by-side mounting202 mm• with side-by-side mounting20 mm		
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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 gG: 500 A (690 V, 100 kA) - with type of coordination 1 required gG: 400 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) • 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) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) • fastening mounting / dimensions 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 145 mm depth 202 mm		
Short-circuit protection design of the fuse link - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch 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 auxiliary switch required Installation/mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, 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 145 mm depth 202 mm		
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) 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 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 +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing side-by-side mounting Yes height 210 mm 455 mm 202 mm required spacing with side-by-side mounting with side-by-side mounting 202 mm 		
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with type of coordination 1 requiredgG: 500 A (690 V, 100 kA) with type of assignment 2 requiredgG: 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 auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/mounting/dimensionsgG: 10 A (500 V, 1 kA)mounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight210 mmwidth145 mmdepth202 mm- forwards20 mm		
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 auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions gG: 10 A (500 V, 1 kA) 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 145 mm depth 202 mm required spacing with side-by-side mounting • with side-by-side mounting 20 mm		aG: 500 A (690 V 100 kA)
• for short-circuit protection of the auxiliary switch required \$\overline{V}\$, 50 kA\$) Installation/ mounting/ dimensions \$\overline{G}\$: 10 A (500 V, 1 kA\$) 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 145 mm depth 202 mm required spacing • with side-by-side mounting • with side-by-side mounting 20 mm		
required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing 201 mm • with side-by-side mounting 200 mm		
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 145 mm depth 202 mm required spacing 20 mm • with side-by-side mounting 20 mm		gG: 10 A (500 V, 1 kA)
surface +/- 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 202 mm - forwards 20 mm	Installation/ mounting/ dimensions	
fastening method screw fixing • side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing 20 mm • with side-by-side mounting 20 mm	mounting position	
• side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing • with side-by-side mounting - forwards 20 mm		surface +/- 22.5° tiltable to the front and back
height 210 mm width 145 mm depth 202 mm required spacing - forwards 20 mm 20 mm	-	-
width 145 mm depth 202 mm required spacing with side-by-side mounting - forwards 20 mm		
depth 202 mm required spacing • with side-by-side mounting - forwards 20 mm		
required spacing • with side-by-side mounting — forwards 20 mm		
with side-by-side mounting	•	202 mm
— forwards 20 mm		
— upwards 10 mm	— forwards	
	— upwards	10 mm

— downwards					
	10 mm				
— at the side	0 mm				
 for grounded parts 					
— forwards	20 mm				
— upwards	10 mm				
— at the side	10 mm				
— downwards	10 mm				
 for live parts 					
— forwards	20 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	10 mm				
connections/ Terminals					
type of electrical connection					
for main current circuit	Connection bar				
 for auxiliary and control circuit 	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				
type of connectable conductor cross-sections	-				
at AWG cables for main contacts	2/0 500 kcmil				
connectable conductor cross-section for main					
contacts					
stranded	70 240 mm²				
connectable conductor cross-section for auxiliary	-				
contacts					
 solid or stranded 	0.5 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 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²)				
— 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 mm ²), 2x (0.75 2.5 mm ²)				
 at 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-	No				
5-1					
B10 value with high demand rate according to SN 31920	1 000 000				
protection class IP on the front according to IEC	IP00; IP20 with box terminal/cover				
60529	_				
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				
-	Yes				

Test Certificates

Image: Continuation Continuation Continuation Continuation Marine / Shipping Image: Continuation Continuation Other Miscellaneous Confirmation	EG-Konf.	UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report other Confirmation
ABS LIS	PRS	Railway	DNV-GL	
other	PRS	Railway	DNV-GL	<u>Confirmation</u>
		Railway		
Miscellaneous Confirmation				
	<u>Miscellaneous</u>	<u>Special Test Certific-</u> ate	:	
Further information				
Information- and Downloadcenter (Catal https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/e Cax online generator http://support.automation.siemens.com/WW Service&Support (Manuals, Certificates, https://support.industry.siemens.com/cs/ww Image database (product images, 2D dir http://www.automation.siemens.com/bilddb Characteristic: Tripping characteristics, https://support.industry.siemens.com/cs/ww Further characteristics (e.g. electrical en	en/Catalog/product?mlft N/CAXorder/default.asp , Characteristics, FAQ w/en/ps/3RT1065-6NB3 mension drawings, 3D p/cax_de.aspx?mlfb=3R	bx?lang=en&mlfb=3RT1(ls,) 6 0 models, device circui 11065-6NB36⟨=en nt 36/char	t diagrams, EPLAN mad	cros,)

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3/24/2022 🖸