SIEMENS

Data sheet

3RT1076-6AD36



power contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC 42-48 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional screw terminal

product designation Power contactor product type designation St1 concrait technical data St2 product extension No • function module for communication No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current If the dist or the operating state per pole • at AC in hot operating state per pole 55 W • of main circuit with degree of pollution 3 rated value 1000 V • of main circuit with degree of pollution 3 rated value 500 V • of main circuit vith degree of pollution 3 rated value 6 kV • of main circuit vith degree of pollution 3 rated value 6 kV • of main circuit vith degree of pollution 3 rated value 6 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit arated value 8 kV • of auxiliary circuit rated value 8 kV • 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 10 0000 000 •	product brand name	SIRIUS	
General technical data size of contactor S12 product extension • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state per pole 165 W • of main circuit with degree of pollution 3 rated value • 1000 V 500 V • of main circuit with degree of pollution 3 rated value 1 000 V 500 V • of main circuit with degree of pollution 3 rated value 1 000 V 500 V • of main circuit rated value 6 kV 680 V surge voltage resistance • 6 kV 690 V • of auxiliary circuit rated value 6 kV 690 V shock resistance at rectangular impulse 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 10 000 000 • at DC 10 000 000 • at DC 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor	product designation	Power contactor	
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• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)-• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typicalQreference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	• at DC	8,5g / 5 ms, 4,2g / 10 ms	
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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	

95 % 3 3 1 000 V 1 000 V 610 A 610 A 610 A 550 A 200 A 200 A 500 A 500 A
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180 A
500 A
500 A
450 A
180 A
430 A
536 A
415 A
414 A
180 A
070 4
276 A
276 A
2/0 A
276 A
276 A
180 A
370 mm ²
175 A
150 A

— at 24 V rated value	400 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	
- at 24 V rated value	400 A
	400 A
— at 110 V rated value	
— at 220 V rated value	400 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	400 A
— at 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	400 A
— at 110 V rated value	400 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	98 kW
at 690 V rated value	148 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	160 000 kVA
• up to 400 V for current peak value n=20 rated value	280 000 VA
 up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value 	350 000 VA
• up to 690 V for current peak value n=20 rated value	490 000 VA
 up to 500 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 	310 000 VA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	110 000 VA

 up to 400 V for current peak value n=30 rated value 	190 000 VA
 up to 500 V for current peak value n=30 rated value 	230 000 VA
 up to 690 V for current peak value n=30 rated value 	330 000 VA
 up to 1000 V for current peak value n=30 rated 	310 000 VA
value	
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	7 484 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	7 484 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	5 978 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	3 765 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	2 887 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
 at AC-1 maximum 	500 1/h
• at AC-2 maximum	170 1/h
• at AC-3 maximum	420 1/h
• at AC-3e maximum	420 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	42 48 V
• at 60 Hz rated value	42 48 V
control supply voltage at DC	
• rated value	42 48 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
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
• at 50 Hz	830 VA
• at 60 Hz	830 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	
• at 50 Hz	9.2 VA
• at 60 Hz	9.2 VA
inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
closing power of magnet coil at DC	920 W
holding power of magnet coil at DC	10 W
closing delay	
• at AC	45 100 ms
• at DC	45 100 ms
opening delay	
• at AC	60 100 ms
• at DC	60 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	

number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 • 1230 V rated value 3 A • • 1600 V rated value 2 A • • 1600 V rated value 0 A • • 175 V rated value 0 A • • 180 V rated value 0 A • • • • 180 V rated value 0 A <th></th> <th></th>		
Instantancia: contact operational current at AC-16 e 1230 V rated value e 1400 V rated value e 1600 V rated value e 160 V rated va		2
operational current at AC-15 6 • • at 200 V rated value 3 A • • at 500 V rated value 3 A • • at 500 V rated value 2 A • • at 600 V rated value 1 A operational current at DC-12 6 A • • at 64 V rated value 6 A • • at 64 V rated value 6 A • • at 64 V rated value 6 A • • at 64 V rated value 6 A • • at 60 V rated value 1 A • • at 60 V rated value 1 A • • at 60 V rated value 0 A • • at 60 V rated value 0 A • • at 60 V rated value 0 A • • at 60 V rated value 0 A • • at 60 V rated value 0 A • • at 60 V rated value 0 A • • at 220 V rated value 0 A • • at 220 V rated value 0 A • • at 800 V rated value 0 A • • at 800 V rated value 477 A • • at 800 V rated value 477 A • • at 800 V rated value 400 hp • • at 200200 V rated value 200 hp <td></td> <td>2</td>		2
• e1 230 V rated value 6.A • e1 600 V rated value 2.A • e1 630 V rated value 1.A • operational current at DC-12 6.A • e1 60 V rated value 6.A • e1 60 V rated value 6.A • e1 60 V rated value 6.A • e1 61 V rated value 6.A • e1 62 V rated value 6.A • e1 62 V rated value 7.A • e1 62 V rated value 7.7 A • e1 62 V rated value 4.72 A • e1 60 V rated value 50 hp - e1 200208 V rated value 50 hp - e1 200208 V rated value 50 hp	operational current at AC-12 maximum	10 A
• # 400 V rated value 3.A • # 600 V rated value 2.A • # 600 V rated value 1.A operational current at DC-12 6.A • # 14 V rated value 6.A • # 10 V rated value 6.A • # 110 V rated value 6.A • # 12 V rated value 6.A • # 12 V rated value 0.A • # 16 0	operational current at AC-15	
• at 600 V rated value 2 Å • at 600 V rated value 1 Å operational current at DC-12 0 Å • at 60 V rated value 6 Å • at 60 V rated value 6 Å • at 10 V rated value 6 Å • at 10 V rated value 2 Å • at 122 V rated value 2 Å • at 122 V rated value 0 Å • at 122 V rated value 0 Å • at 02 V rated value 0 Å • at 02 V rated value 0 Å • at 02 V rated value 0 Å • at 04 V rated value 0 Å • at 050 V rated value 0 Å • at 050 V rated value 0 Å • at 050 V rated value 477 Å • at 600 V rated value 477 Å • at 600 V rated value 477 Å • at 600 V rated value 400 hp • at 20020 V rated value 500 hp • at 20020 V rated value 500 hp • at 40048	 at 230 V rated value 	6 A
• at 680 V rated value 1 Å operational current at DC-12 • • at 24 V rated value 6 Å • at 10 V rated value 3 Å • at 125 V rated value 2 Å • at 220 V rated value 0.15 Å • at 240 V rated value 0.15 Å • at 250 V rated value 0.15 Å • at 200 V rated value 0.15 Å • at 200 V rated value 0.15 Å • at 800 V rated value 0.16 Å • at 800 V rated value 0.16 Å • at 800 V rated value 0.16 Å • at 800 V rated value 0.3 Å • at 800 V rated value 0.14 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULICSA rating SU 77 Å • at 800 V rated value 477 Å • at 800 V rated value 477 Å • at 800 V rated value 470 Å • at 800 V rated value 400 Å • at 800 V	 at 400 V rated value 	3 A
operational current at DC-12 10 A • at 24 Vitated value 10 A • at 34 Vitated value 6 A • at 80 Vitated value 6 A • at 10 Vitated value 6 A • at 25 Vitated value 7 A • at 26 Vitated value 1 A • at 600 Vitated value 1 A • at 600 Vitated value 1 A • at 600 Vitated value 0.15 A operational current at DC-13 0 A • at 20 Vitated value 0.3 A • at 10 Vitated value 0.3 A • at 20 Vitated value 0.3 A • at 20 Vitated value 0.1 A • at 20 Vitated value 0.1 A • at 20 Vitated value 0.1 A • at 600 Vitated value 477 A • at 600 Vitated value 477 A • at 600 Vitated value 477 A • at 200228 Vitated value 150 hp - at 220230 Vitated value 150 hp - at 220230 Vitated value 200 hp - at 4500 Vitated value 400 hp - at 4500480 Vitated value 200 hp	 at 500 V rated value 	2 A
it 24 V rited value it 24 V rited value it 26 V rited value it 30 V rated value 0.9 A it 30 V rated value 0.9 A it 30 V rated value 0.1 A it 30 V rated value it 30 V p it add avalue it 40 V rated value it 30 V p it add avalue it 30 V p it add avalue it 30 V rated value it 30 V rated value it 30 V p it 40 V rated value it 50 hp contract rate it avalue value it 50 hp contract rate it avalue value it 50 hp contract rate it avalue it 50 hp	at 690 V rated value	1 A
• at 48 V rated value 6 Å • at 160 V rated value 6 Å • at 172 V rated value 3 Å • at 125 V rated value 1 Å • at 260 V rated value 0.15 Å operational current at DC-13 0.15 Å • at 24 V rated value 0.16 Å • at 24 V rated value 0.16 Å • at 24 V rated value 0.16 Å • at 24 V rated value 2 Å • at 10 V rated value 0.9 Å • at 25 V rated value 0.3 Å • at 260 V rated value 0.3 Å • at 200 V rated value 0.1 Å • at 200 V rated value 0.1 Å • at 200 V rated value 0.1 Å • at 200 V rated value 0.3 Å • at 200 V rated value 0.1 Å • at 600 V rated value 477 Å • at 600 V rated value 477 Å • at 600 V rated value 470 Å • at 600 V rated value 400 hp - at 200/208 V rated value 50 hp - at 200/208 V rated value 500 hp - at 460480 V rated value 600 hp • or short-circuit protection of the main circuit 600 kp - at 575860 V rated value 600 hp • for short-circuit protection of the auxiliary switch required 500 Å (690 V, 100 kÅ),	operational current at DC-12	
• at 60 V rated value 6 Å • at 120 V rated value 3 Å • at 220 V rated value 1 Å • at 220 V rated value 0.15 Å operational current at DC-13 0.16 Å • at 80 V rated value 10 Å • at 81 V rated value 2 Å • at 81 V rated value 2 Å • at 81 V rated value 2 Å • at 81 V rated value 0.9 Å • at 220 V rated value 0.1 Å • at 220 V rated value 0.1 Å • at 220 V rated value 0.1 Å • at 200 V rated value 0.1 Å • at 80 V rated value 0.1 Å • at 800 V rated value 477 Å • at 800 V rated value 477 Å • at 800 V rated value 477 Å • at 480 V rated value 470 Å • at 480 V rated value 470 Å • at 480 V rated value 400 ħ • at 480 V rated value 500 ħ <tr< td=""><td> at 24 V rated value </td><td>10 A</td></tr<>	 at 24 V rated value 	10 A
	 at 48 V rated value 	6 A
• at 125 V rated value 2 Å • at 220 V rated value 0.15 Å opprational current at DC-13 0 • at 24 V rated value 10 Å • at 48 V rated value 2 Å • at 125 V rated value 0.8 Å • at 125 V rated value 0.3 Å • at 220 V rated value 0.1 Å contact reliability of rated value 0.1 Å contact reliability of rated value 0.1 Å contact reliability of rated value 477 Å • at 400 V rated value 477 Å • at 600 V rated value 477 Å • at 600 V rated value 470 Å • at 600 V rated value 477 Å • at 600 V rated value 470 Å • at 600 V rated value 470 Å • at 600 V rated value 200 hp - at 420/208 V rated value 200 hp - at 450/480 V rated value 500 hp - at 457500 V rated value 500 hp • at 57500 V rated value 500 hp • at 57500 V rated value 500 hp • at 57500 V rated value 500 hp • or short-circuit protection of the main circuit 90 (500 Å (600 V, 100 Å), 600	 at 60 V rated value 	6 A
• at 220 V rated value 1 A • at 400 V rated value 0.15 A • at 24 V rated value 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0.3 A • at 20 V rated value 0.3 A • at 200 V rated value 0.1 A • contact reliability of auxillary contacts 1 fauly switching per 100 million (17 V, 1 mA) UL/CSA ratings 477 A • at 600 V rated value 470 A • at 600 V rated value 470 A • at 600 V rated value 200 hp • at 600 V rated value 500 hp • for short-circuit protection of the main circuit 66: 600 A (690 V, 100 kA), gS 60 A (690 V, 50 kA), ES 88: 500 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch gG: 600 A (690 V, 100 kA), gG: 500 A (690 V, 50 kA), ES 88: 500 A	 at 110 V rated value 	3 A
• at 600 V rated value 0.15 Å operational current at DC-13 10 Å • at 43 V rated value 10 Å • at 43 V rated value 2 Å • at 60 V rated value 2 Å • at 125 V rated value 0.9 Å • at 200 V rated value 0.3 Å • at 200 V rated value 0.1 Å • at 200 V rated value 0.1 Å • at 200 V rated value 0.1 Å • at 800 V rated value 477 Å • at 800 V rated value 472 Å • at 800 V rated value 472 Å • at 800 V rated value 150 hp - at 200208 V rated value 200 hp - at 200208 V rated value 200 hp - at 80040 v rated value 500 hp • for short-circuit protection of the main circuit 500 hp - at 575600 V rated value 500 hp • for short-circuit protection of the auxiliary switch gG: 600 A (690 V, 100 kÅ), aM: 500 A (690 V, 50 kÅ), BSB8: 500 A (415 V, 50 kÅ) • for short-circuit protection of the auxiliary switch gG: 10 A (600 V, 100 kÅ), aM: 500 A (690 V, 50 kÅ), BSB8: 500 A (415 V, 50 kÅ) • for short-circuit protection of the auxiliary switch if 0 hm	 at 125 V rated value 	2 A
operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0.9 A • at 220 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 4460 V rated value vielded mechanical performance [hp] 477 A • at 800 V rated value 400 hp - at 200/208 V rated value 200 hp - at 200/208 V rated value 500 hp - at 460480 V rated value 500 hp - at 460480 V rated value 500 hp - ortactrating of auxiliary contacts according to UL Gi 630 A (690 V, 100 kA), at: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) • for short-cincult prote	 at 220 V rated value 	1 A
• at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 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 fault switching per 100 million (17 V, 1 mA) ///CSA ratings 77 A full-load current (FLA) for 3-phase AC motor 477 A • at 420 V rated value 477 A • at 420 V rated value 472 A yielded mechanical performance [hp] • for 3-phase AC motor • for 3-phase AC motor - at 220/230 V rated value - at 220/230 V rated value 150 hp - at 220/230 V rated value 200 hp - at 55/600 V rated value 500 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), aM: 500 A (690 V, 50 kA), BS8: 500 A (415 V, 50 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS8: 500 A (415 V, 50 kA) - with type of coordination 1 required yo	 at 600 V rated value 	0.15 A
• at 48 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A • at 800 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 477 A • at 800 V rated value 477 A • at 800 V rated value 472 A • jided mechanical performance [hp] • for 3-phase AC motor • of 3-phase AC motor - at 220/230 V rated value - at 220/230 V rated value 150 hp - at 220/230 V rated value 200 hp - at 420/480 V rated value 400 hp - at 220/230 V rated value 500 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) • for short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 100 kA), sti 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA) • or short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA) • for short-circ	operational current at DC-13	
• at 60 V rated value 2 A • at 110 V rated value 1 A • at 220 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 full-oad current (FLA) for 3-phase AC motor 477 A • at 480 V rated value 477 A • at 480 V rated value 472 A yielded mechanical performance [hp] 600 hp • for 3-phase AC motor 150 hp - at 200/208 V rated value 200 hp - at 400/400 V rated value 200 hp - at 4575/000 V rated value 500 hp - at 575/000 V rated value 500 hp - at 575/000 V rated value 500 hp - at 60/480 V rated value 500 hp - with type of coordination 1 required 500 A (690 V, 100 KA) - with type of coordination 1 required gG: 500 A (690 V, 100 KA) - with type of assignment 2 required GG: 600 V, 100 KA) - with type of assignment 2 required Sci 0 A (690 V, 100 KA), abit 500 A (690 V, 50 KA), BS88: 500 A (415 V, 50 KA) - for short-circuit protection of the auxiliary switch ci 0 A (500 V, 1 KA)	• at 24 V rated value	10 A
• at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Itality switching per 100 million (17 V, 1 mA) UL/CSA ratings 477 A • at 600 V rated value 477 A • at 600 V rated value 477 A • at 600 V rated value 472 A • at 600 V rated value 470 A • at 600 V rated value 470 A • at 600 V rated value 470 A • at 600 V rated value 500 hp - at 200/200 V rated value 200 hp - at 460/480 V rated value 500 hp - f	• at 48 V rated value	
• at 125 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 1 full-load current (FLA) for 3-phase AC motor 477 A • at 400 V rated value 477 A • at 400 V rated value 477 A • at 600 V rated value 472 A yleided mechanical performance [hp] - • for 3-phase AC motor - - at 200/200 V rated value 200 hp - at 200/200 V rated value 400 hp - at 40/400 V rated value 400 hp - at 457/600 V rated value 500 hp Contact rating of auxiliary contacts according to UL A00 / 0600 Stort-circuit protection GG: 500 A (690 V, 100 kA) - with type of consignment 2 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) e for short-circuit protection of the auxiliary switch required screw fixing • for short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 10 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) e side-by-side mounting Yes Installation/ mounting/ dimensions Screw fixing with vertical mounting surface +/-	 at 60 V rated value 	2 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) UU/CSA ratings 477 A full-load current (FLA) for 3-phase AC motor 477 A • at 480 V rated value 477 A • at 600 V rated value 472 A yleided mechanical performance [hp] - • for 3-phase AC motor - - at 200/208 V rated value 200 hp - at 200/208 V rated value 400 hp - at 200/208 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / 0600 Short-circuit protection of the main circuit - - with type of coordination 1 required gG: 630 A (690 V, 100 kA) - with type of coordination 1 required gG: 600 A (690 V, 100 kA), BS88: 500 A (415 V, 50 kA), BS88: 500 A (415 V,	• at 110 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 477 A • at 480 V rated value 477 A • at 600 V rated value 477 A • at 600 V rated value 472 A yleided mechanical performance [hp]	 at 125 V rated value 	0.9 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 4 • at 4800 V rated value 477 A • at 600 V rated value 472 A yielded mechanical performance [hp] 6 • for 3-phase AC motor 150 hp - at 220/208 V rated value 200 hp - at 220/230 V rated value 500 hp - at 200/208 V rated value 500 hp - at 460/480 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 1 faulty switching gG: 500 A (690 V, 100 kA) design of the fuse link 9G: 500 A (690 V, 100 kA) • for short-circuit protection of the main circuit gG: 500 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 100 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 • ide-by-side mounting Yes h	 at 220 V rated value 	0.3 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 477 A • at 600 V rated value 472 A yielded mechanical performance [hp] • for 3-phase AC motor - at 220/230 V rated value 150 hp - at 220/230 V rated value 200 hp - at 460/480 V rated value 500 hp - at 575/600 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 630 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) resting method surface +/- 22.5" littable to the front and back screw fixing Yes height 214 mm width 160 mm deth 225 mm required spacing • with side-by-side mounting • hight 214 mm • ownwards 20 mm • upwards 10 mm	 at 600 V rated value 	0.1 A
full-load current (FLA) for 3-phase AC motor 477 A • at 480 V rated value 477 A • at 600 V rated value 472 A yielded mechanical performance [hp] 472 A • at 200/208 V rated value 150 hp - at 220/230 V rated value 200 hp - at 460/480 V rated value 400 hp - at 575/600 V rated value 500 hp - at 575/600 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 400 hp e for short-circuit protection of the main circuit		1 faulty switching per 100 million (17 V, 1 mA)
• at 480 V rated value 477 Å • at 600 V rated value 472 Å • at 600 V rated value 472 Å yielded mechanical performance [hp] 6 or 3-phase ÅC motor - at 200/208 V rated value 150 hp - at 220/230 V rated value 200 hp - at 460/480 V rated value 500 hp - at 4575/600 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 630 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 630 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) • attabel mounting / dimensions screw fixing • idstallation/ mounting / dimensions screw fixing • side-by-side mounting Yes height 220 mm <	UL/CSA ratings	
• at 600 V rated value472 Ayielded mechanical performance [hp]-• for 3-phase AC motor150 hp- at 200/208 V rated value200 hp- at 220/230 V rated value200 hp- at 660/480 V rated value500 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit with type of coordination 1 requiredgG: 630 A (690 V, 100 kA)• with type of assignment 2 requiredgG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)• with type of assignment 2 requiredwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, wit	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 220230 V rated value - at 460/480 V rated value - at 450/480 V rated value - at 575/600 V rated value 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 v for short-circuit protection of the auxiliary switch required required • for short-circuit protection of the auxiliary switch required gG: 500 A (690 V, 100 kA), all: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 510 A (500 V, 1 kA) mounting position with vertical mounting surface +/-22.5" tiltable to the front and back screw fixing • side-by-side mounting - forwards - upwards - upwards	 at 480 V rated value 	477 A
 for 3-phase AC motor at 200/208 V rated value 150 hp at 220/230 V rated value 200 hp at 460/480 V rated value 400 hp at 575/600 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link 		472 A
- at 200/208 V rated value 150 hp - at 220/230 V rated value 200 hp - at 460/480 V rated value 400 hp - at 575/600 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 design of the fuse link • • for short-circuit protection of the main circuit - - with type of coordination 1 required gG: 630 A (690 V, 100 kA) - with type of assignment 2 required gG: 500 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA) • side-by-side mounting 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 214 mm width 160 mm depth 225 mm required spacing 0 mm • with side-by-side mounting 20 mm - downwards 10 mm <td< td=""><td></td><td></td></td<>		
	•	
	— at 200/208 V rated value	
at 575/600 V rated value 500 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit gG: 630 A (690 V, 100 kA) with type of coordination 1 required gG: 500 A (690 V, 100 kA) with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 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 214 mm width 160 mm depth 225 mm required spacing 0 mm • with side-by-side mounting 20 mm growards 10 mm downwards 10 mm at the side 0 mm		
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: 630 A (690 V, 100 kA) — with type of coordination 1 required gG: 500 A (690 V, 100 kA) — with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 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 214 mm width 160 mm depth 225 mm - upwards 10 mm - downwards		
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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required 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 fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm • with side-by-side mounting 225 mm • with side-by-side mounting 0 mm - downwards 10 mm - at the side 0 mm		
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 for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method side-by-side mounting eiside-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing with side-by-side mounting forwards upwards 0 mm downwards mm <li< td=""><td></td><td>A600 / Q600</td></li<>		A600 / Q600
 for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required fastening 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 screw fixing side-by-side mounting side-by-side mounting Yes height 214 mm width depth 225 mm required spacing with side-by-side mounting forwards mwards mm downwards mm downwards mm 		
with type of coordination 1 required gG: 630 A (690 V, 100 kA) with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 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 214 mm width 160 mm depth 225 mm required spacing 0 mm - forwards 20 mm - upwards 10 mm - downwards 0 mm	-	
with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 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 214 mm width 160 mm depth 225 mm • with side-by-side mounting 20 mm - forwards 20 mm - upwards 10 mm - at the side 0 mm		
• 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 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - a the side 0 mm		
• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionsmounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing20 mm• with side-by-side mounting20 mm- forwards20 mm- downwards10 mm- a the side0 mm	— with type of assignment 2 required	
mounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing - forwards20 mm- forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm		
surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing225 mm• with side-by-side mounting20 mm- forwards20 mm- downwards10 mm- at the side0 mm	Installation/ mounting/ dimensions	
• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing225 mm• with side-by-side mounting20 mm- forwards20 mm- upwards10 mm- downwards0 mm- at the side0 mm	mounting position	
height214 mmwidth160 mmdepth225 mmrequired spacing225 mm• with side-by-side mounting20 mm— forwards20 mm— upwards10 mm— downwards10 mm— at the side0 mm	fastening method	screw fixing
width 160 mm depth 225 mm required spacing 225 mm • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm	 side-by-side mounting 	Yes
depth225 mmrequired spacing225 mm• with side-by-side mounting forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm	height	214 mm
required spacing • with side-by-side mounting forwards 20 mm upwards 10 mm downwards 10 mm at the side 0 mm		160 mm
 with side-by-side mounting forwards upwards downwards mm at the side mm 	•	225 mm
forwards 20 mm upwards 10 mm downwards 10 mm at the side 0 mm		
— upwards10 mm— downwards10 mm— at the side0 mm		
— downwards 10 mm — at the side 0 mm		
— at the side 0 mm	•	
for grounded parts		0 mm
	 for grounded parts 	

famurala	00		
— forwards	20 mm		
— upwards	10 mm		
— at the side	10 mm		
— downwards	10 mm		
for live parts	20		
— forwards	20 mm		
— upwards — downwards	10 mm		
	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		
	2/0 500 KCMI		
connectable conductor cross-section for main contacts			
stranded	70 240 mm²		
connectable conductor cross-section for auxiliary			
contacts			
 solid or stranded 	0.5 4 mm²		
 finely stranded with core end processing 	0.5 2.5 mm²		
type of connectable conductor cross-sections			
 for auxiliary contacts 			
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 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		
Safety related data			
product function			
 mirror contact according to IEC 60947-4-1 	Yes		
 positively driven operation according to IEC 60947- 	No		
5-1 P10 volue with high domand rate according to SN 21020	1 000 000		
B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC	1 000 000		
60529	IP00; IP20 with box terminal/cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
suitability for use			
 safety-related switching OFF 	Yes		
Certificates/ approvals			
General Product Approval	EMC		
Ocherar i roudet Approval	Lino		
Confirmation			
	– (Կլ) ԼԱՐ /৫৯		
<i>C24</i> CCC	UL — — — — — — — — — — — — — — — — — — —		
Functional			
Safety/Safety of Declaration of Conformity	Test Certificates Marine / Shipping		
Machinery			

<u>Type Examination</u> <u>Certificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> ate	ABS
Marine / Shipping				other	
Lloyds Register us	PRS	RMRS		<u>Miscellaneous</u>	<u>Confirmation</u>
other		Railway			
Confirmation	<u>Miscellaneous</u>	Special Test Certific- ate			

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Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1076-6AD36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6AD36

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

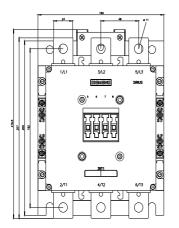
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AD36

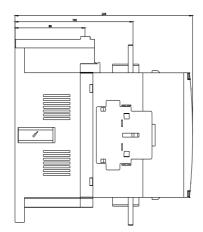
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1076-6AD36&lang=en

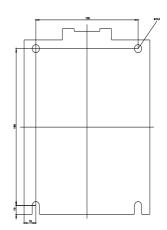
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AD36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6AD36&objecttype=14&gridview=view1







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