SIEMENS

Data sheet

3RT1076-6AM36



power contactor, AC-3e/AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC Uc: 200-220 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional 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	\$12
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 	165 W
 at AC in hot operating state per pole 	55 W
 without load current share typical 	10 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
● at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

fain 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	610 A			
• at AC-1				
 up to 690 V at ambient temperature 40 °C rated value 	610 A			
— up to 690 V at ambient temperature 60 °C rated value	550 A			
— up to 1000 V at ambient temperature 40 $^\circ\mathrm{C}$ rated value	200 A			
— up to 1000 V at ambient temperature 60 $^\circ\mathrm{C}$ rated value	200 A			
• at AC-3				
— at 400 V rated value	500 A			
— at 500 V rated value	500 A			
— at 690 V rated value	450 A			
— at 1000 V rated value	180 A			
• at AC-3e				
— at 400 V rated value	500 A			
— at 500 V rated value	500 A			
— at 690 V rated value	450 A			
— at 1000 V rated value	180 A			
 at AC-4 at 400 V rated value 	430 A			
 at AC-5a up to 690 V rated value 	536 A			
• at AC-5b up to 400 V rated value	415 A			
● at AC-6a				
— up to 230 V for current peak value n=20 rated value	414 A			
 up to 400 V for current peak value n=20 rated value 	414 A			
up to 500 V for current peak value n=20 rated value	414 A			
— up to 690 V for current peak value n=20 rated value	414 A			
— up to 1000 V for current peak value n=20 rated value	180 A			
● at AC-6a				
 — up to 230 V for current peak value n=30 rated value 	276 A			
 — up to 400 V for current peak value n=30 rated value 	276 A			
— up to 500 V for current peak value n=30 rated value	276 A			
— up to 690 V for current peak value n=30 rated value	276 A			
— up to 1000 V for current peak value n=30 rated value	180 A			
minimum cross-section in main circuit at maximum AC-1 rated value	370 mm²			
operational current for approx. 200000 operating cycles at AC-4				
• at 400 V rated value	175 A			
• at 690 V rated value	150 A			
operational current				
 at 1 current path at DC-1 				
— at 24 V rated value	400 A			
— at 60 V rated value	330 A			
— at 110 V rated value	33 A			
— at 220 V rated value	3.8 A			
— at 440 V rated value	0.9 A			
— at 600 V rated value	0.6 A			
 with 2 current paths in series at DC-1 				
— at 24 V rated value	400 A			
— at 60 V rated value	400 A			
— at 110 V rated value	400 A			

— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	400 A
— at 60 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	400 A
— at 60 V rated value	11 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	400 A
— at 60 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	400 A
— at 60 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
	160 kW
• at AC-3	160 kW 250 kW
• at AC-3 — at 230 V rated value	
• at AC-3 — at 230 V rated value — at 400 V rated value	250 kW
at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value	250 kW 315 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 	250 kW 315 kW 400 kW
at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value	250 kW 315 kW 400 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e 	250 kW 315 kW 400 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value 	250 kW 315 kW 400 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at AC-3e at 230 V rated value at 400 V rated value at 400 V rated value at 500 V rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at 690 V rated value at 1000 V rated value at 690 V rated value at 690 V rated value at 690 V rated value 	250 kW 315 kW 400 kW 250 kW 250 kW 315 kW 400 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value at 1000 V rated value at 1000 V rated value at 400 V rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at 1000 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 	250 kW 315 kW 400 kW 250 kW 250 kW 315 kW 400 kW 250 kW
at AC-3	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 98 kW 148 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 400 V rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 98 kW 148 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 3250 kW 98 kW 148 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 	250 kW 315 kW 400 kW 250 kW 250 kW 315 kW 400 kW 250 kW 315 kW 400 kW 250 kW 250 kW 250 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 250 kW 250 kW 148 kW 148 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value at 400 V rated value at 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 	250 kW 315 kW 400 kW 250 kW 250 kW 315 kW 400 kW 250 kW 315 kW 400 kW 250 kW 250 kW 250 kW 250 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 	250 kW 315 kW 400 kW 250 kW 316 kW 250 kW 315 kW 400 kW 250 kW 250 kW 98 kW 148 kW 160 000 kVA 280 000 VA 350 000 VA 350 000 VA
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V for current peak value n=20 rated value at 000 V for current peak value n=20 rated value at 000 V for current peak value n=20 rated value at 000 V for current peak value n=20 rated value at 000 V for current peak value n=30 rated value 	250 kW 315 kW 400 kW 250 kW 316 kW 250 kW 315 kW 400 kW 250 kW 250 kW 98 kW 148 kW 160 000 kVA 280 000 VA 350 000 VA 350 000 VA 310 000 VA
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value 	250 kW 315 kW 400 kW 250 kW 250 kW 315 kW 400 kW 250 kW 250 kW 250 kW 98 kW 148 kW 160 000 kVA 280 000 VA 350 000 VA 350 000 VA 310 000 VA
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 98 kW 148 kW 160 000 kVA 280 000 VA 350 000 VA 310 000 VA 310 000 VA 310 000 VA 310 000 VA
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 1000 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 98 kW 148 kW 160 000 kVA 280 000 VA 350 000 VA 350 000 VA 310 000 VA 310 000 VA 310 000 VA 310 000 VA 310 000 VA
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at AC-3e at 230 V rated value at 400 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	250 kW 315 kW 400 kW 250 kW 160 kW 250 kW 315 kW 400 kW 250 kW 98 kW 148 kW 160 000 kVA 280 000 VA 350 000 VA 310 000 VA 310 000 VA 310 000 VA 310 000 VA

 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	200 220 V				
at 60 Hz rated value	200 220 V				
control supply voltage at DC					
rated value	200 220 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 50 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 instantaneous contact	2				
number of NO contacts for auxiliary contacts instantaneous contact	2				
operational current at AC-12 maximum	10 A				
operational current at AC-15					
at 230 V rated value	6 A				
at 400 V rated value	3 A 2 A				
• at 500 V rated value	2 A				

• at 690 V rated value	1 A					
operational current at DC-12						
 at 24 V rated value 	10 A					
• at 48 V rated value	6 A					
• at 60 V rated value	6 A					
• at 110 V rated value	3 A					
 at 125 V rated value 	2 A					
• at 220 V rated value	1 A					
• at 600 V rated value	0.15 A					
operational current at DC-13						
• at 24 V rated value	10 A					
• at 48 V rated value	2 A					
• at 60 V rated value	2 A					
• at 110 V rated value	1 A					
• at 125 V rated value	0.9 A					
 at 220 V rated value 	0.3 A					
 at 600 V rated value 	0.1 A					
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)					
UL/CSA ratings						
full-load current (FLA) for 3-phase AC motor						
at 480 V rated value	477 A					
at 600 V rated value	472 A					
yielded mechanical performance [hp]						
• 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	A0007 Q000					
design of the fuse link						
-						
• for short-circuit protection of the main circuit						
 for short-circuit protection of the main circuit — with type of coordination 1 required 	gG: 630 A (690 V, 100 kA)					
• for short-circuit protection of the main circuit	gG: 630 A (690 V, 100 kA) 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 main circuit — with type of coordination 1 required 	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50					
 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 	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 main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) kA) gG: 10 A (500 V, 1 kA)					
 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 	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 main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface					
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 Installation/ mounting/ dimensions mounting position	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back					
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 Installation/ mounting/ dimensions mounting position fastening method	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing					
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes					
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm					
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm					
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm					
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm					
 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 Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting 	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm					
 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 Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards 	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm					
 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm					
 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 Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards downwards 	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm					
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 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 Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts 	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm					
 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 Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts forwards for grounded parts forwards 	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 20 mm					
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type of electrical conne	ction					
 for main current cir 	cuit		Conne	ection bar		
 for auxiliary and co 	ontrol circuit		screw	-type terminals		
 at contactor for aux 	kiliary contacts	Screw-type terminals				
 of magnet coil 			Screw	v-type terminals		
width of connection bar	width of connection bar			n		
thickness of connection bar			6 mm			
diameter of holes			11 mr	n		
number of holes						
connectable conductor	connectable conductor cross-section for main contacts					
stranded		70 240 mm²				
connectable conductor	cross-section for aux	iliary contacts				
solid or stranded		0.5 4 mm²				
 finely stranded with 	n core end processing		0.5	2.5 mm ²		
type of connectable cor		s				
 for auxiliary contact 		-				
— solid			2x (0	5 1.5 mm ²) 2x (0.75	2.5 mm²), max. 2x (0.7	(5 4 mm ²)
— solid or strand	ded				2,5 mm²), max. 2x (0.7	·
		aina				5411111)
-	d with core end proces	sing		5 1.5 mm²), 2x (0.75 .		
for AWG cables for	-		2x (20) 16), 2x (18 14), 1x	(12	
AWG number as coded section	connectable conduct	or cross				
 for auxiliary contact 	ts		18	14		
Safety related data			10			
product function						
•	ording to IEC 60047.4		Yes			
	ording to IEC 60947-4-					
	peration according to IE		No	202		
B10 value with high dema			1 000	000		
T1 value for proof test inte 61508	erval or service life acc	ording to IEC	20 a			
protection class IP on the	he front according to	IEC 60529	IP00; IP20 with box terminal/cover			
touch protection on the	front according to IE	C 60529	finger-safe, for vertical contact from the front with box terminal/cover			
suitability for use						
 safety-related swite 	ching OFF		Yes			
Certificates/ approvals						
General Product Appro	val				EMC	Functional Safety/Safety of Ma- chinery
SP.	<u>Confirmation</u>	(UL)		EAC	RCM	Type Examination Cer- tificate
Declaration of Conform	iity	Test Certificate	es			Marine / Shipping
	1.11/			Tuno Test Oradifie	Misseller	
CE EG-Konf.	UK CA	<u>Special Test Ce</u> <u>ate</u>	<u>ertific-</u>	Type Test Certific- ates/Test Report	<u>Miscellaneous</u>	ABS
Marine / Shipping					other	
Lloyd's Register us	PRS			DNV-GL.	Confirmation	<u>Miscellaneous</u>
other		Railway				
<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Special Test Ce</u>	ertific-	Vibration and Shock		
					• • • • • •	

7/10/2023

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=3RT1076-6AM36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6AM36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AM36

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

<u>ate</u>

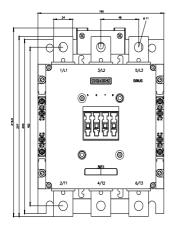
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1076-6AM36&lang=en

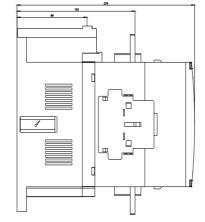
Characteristic: Tripping characteristics, I²t, Let-through current

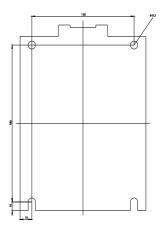
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AM36/char

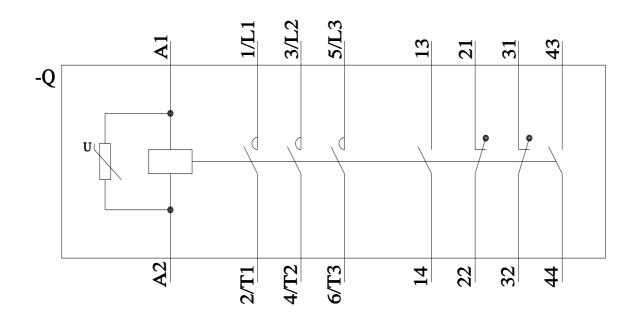
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6AM36&objecttype=14&gridview=view1









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