SIEMENS

Data sheet 3RT2026-2AL20



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 230 V AC, 50 / 60 Hz, 3-pole, Size S0, Spring-type terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
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 	5.7 W
 at AC in hot operating state per pole 	1.9 W
without load current share typical	10.5 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching 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)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
at AC-4 at 400 V rated value	15.5 A
at AC-5a up to 690 V rated value	35.2 A
at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	20.1 A
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
 up to 500 V for current peak value n=20 rated value 	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
 at AC-6a up to 230 V for current peak value n=30 rated value 	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
 up to 500 V for current peak value n=30 rated value 	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	10 mm ²
cycles at AC-4	
at 400 V rated value	9 A
• at 690 V rated value	9 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
	0.20 A
with 2 current paths in series at DC-1 at 24 V rated value.	25 A
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	

— at 24 V rated value	35 A		
— at 110 V rated value	35 A		
— at 220 V rated value	35 A		
— at 440 V rated value	2.9 A		
at 600 V rated value	1.4 A		
 at 1 current path at DC-3 at DC-5 			
— at 24 V rated value	20 A		
— at 110 V rated value	2.5 A		
— at 220 V rated value	1 A		
— at 440 V rated value	0.09 A		
— at 600 V rated value	0.06 A		
 with 2 current paths in series at DC-3 at DC-5 			
— at 24 V rated value	35 A		
— at 110 V rated value	15 A		
— at 220 V rated value	3 A		
— at 440 V rated value	0.27 A		
— at 600 V rated value	0.16 A		
 with 3 current paths in series at DC-3 at DC-5 			
— at 24 V rated value	35 A		
— at 110 V rated value	35 A		
— at 220 V rated value	10 A		
— at 440 V rated value	0.6 A		
— at 600 V rated value	0.6 A		
operating power			
• at AC-3			
— at 230 V rated value	5.5 kW		
— at 400 V rated value	11 kW		
— at 500 V rated value	11 kW		
— at 690 V rated value	11 kW		
• at AC-3e			
— at 230 V rated value	5.5 kW		
— at 400 V rated value	11 kW		
— at 500 V rated value	11 kW		
— at 690 V rated value	11 kW		
operating power for approx. 200000 operating cycles			
at AC-4			
 at 400 V rated value 	4.4 kW		
at 690 V rated value	7.7 kW		
operating apparent power at AC-6a			
 up to 230 V for current peak value n=20 rated value 	8 kVA		
 up to 400 V for current peak value n=20 rated value 	13.9 kVA		
 up to 500 V for current peak value n=20 rated value 	17.4 kVA		
up to 690 V for current peak value n=20 rated value	15.4 kVA		
operating apparent power at AC-6a			
• up to 230 V for current peak value n=30 rated value	5.3 kVA		
 up to 400 V for current peak value n=30 rated value 	9.3 kVA		
 up to 500 V for current peak value n=30 rated value 	11.6 kVA		
• up to 690 V for current peak value n=30 rated value	15.5 kVA		
short-time withstand current in cold operating state up to 40 °C			
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 5 s switching at zero current maximum 	299 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 10 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 30 s switching at zero current maximum 	128 A; Use minimum cross-section acc. to AC-1 rated value		
limited to 60 s switching at zero current maximum	106 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			
• at AC	5 000 1/h		
operating frequency			
• at AC-1 maximum	1 000 1/h		
• at AC-2 maximum	750 1/h		
at AC-3 maximum	750 1/h		

a at AC 3a mayimum	750 1/b		
at AC-3e maximum at AC-4 maximum	750 1/h		
at AC-4 maximum Control sirevit/ Control	250 1/h		
Control circuit/ Control	10		
type of voltage of the control supply voltage	AC		
control supply voltage at AC	000.17		
at 50 Hz rated value	230 V		
• at 60 Hz rated value	230 V		
operating range factor control supply voltage rated value of magnet coil at AC			
• at 50 Hz	0.8 1.1		
• at 60 Hz	0.85 1.1		
apparent pick-up power of magnet coil at AC			
• at 50 Hz	81 VA		
• at 60 Hz	79 VA		
inductive power factor with closing power of the coil			
• at 50 Hz	0.72		
• at 60 Hz	0.74		
apparent holding power of magnet coil at AC			
• at 50 Hz	10.5 VA		
• at 60 Hz	8.5 VA		
inductive power factor with the holding power of the			
coil			
● at 50 Hz	0.25		
● at 60 Hz	0.28		
closing delay			
• at AC	8 40 ms		
opening delay			
• at AC	4 16 ms		
arcing time	10 10 ms		
control version of the switch operating mechanism	Standard A1 - A2		
Auxiliary circuit			
number of NC contacts for auxiliary contacts instantaneous contact	1		
number of NO contacts for auxiliary contacts	1		
instantaneous contact			
operational current at AC-12 maximum	10 A		
operational current at AC-12 maximum operational current at AC-15	10 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	10 A		
operational current at AC-12 maximum operational current at AC-15	10 A 3 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 A 3 A 2 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	10 A 3 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	10 A 3 A 2 A 1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value	10 A 3 A 2 A 1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value	10 A 3 A 2 A 1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value operational current at DC-13 • at 24 V rated value • at 48 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 2 A 1 A 0.15 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value operational current at DC-13 • at 24 V rated value • at 48 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 2 A 1 A 0.15 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 110 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 109 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 30 V rated value • at 48 V rated value • at 60 V rated value • at 100 V rated value • at 100 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 109 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A		
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 30 V rated value • at 30 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A		

ightharpoolume ighth	V,	
 for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) — with type of assignment 2 required 9G: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415 80kA) • for short-circuit protection of the auxiliary switch 9G: 10 A (500 V, 1 kA) 	V,	
- at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required of or short-circuit protection of the auxiliary switch	V,	
 at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 5 hp at 575/600 V rated value bp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 35A (415 80kA) for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA) 	V,	
 for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required for short-circuit protection of the auxiliary switch given the protection of the strength of the stre	V,	
- at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required • for short-circuit protection of the auxiliary switch	V,	
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch 7.5 hp 7.5 hp 4600 / P600 Short-circuit protection GS: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) GS: 35A (690 V, 100 kA), aM: 20A (690 V, 100 kA), BS88: 35A (415 80kA) GS: 10 A (500 V, 1 kA)	V,	
— at 460/480 V rated value — at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required with type of assignment 2 required • for short-circuit protection of the auxiliary switch gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 35A (415 80kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415 80kA) • for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)	V,	
— at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required with type of assignment 2 required • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch 20 hp A600 / P600 Short-circuit protection gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) gG: 35A (690 V, 100 kA), aM: 20A (690 V, 100 kA), BS88: 35A (415 80 kA) • for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)	V,	
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch G: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) g: 35A (690 V, 100kA), aM: 20A (690 V, 100kA), BS88: 35A (415 80kA) • for short-circuit protection of the auxiliary switch G: 10 A (500 V, 1 kA)	V,	
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 gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415 80kA) • for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)	V,	
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 main circuit gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) gG: 35A (690 V, 100kA), aM: 20A (690 V, 100kA), BS88: 35A (415 80kA) ● for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)	V,	
 for short-circuit protection of the main circuit with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415 80kA) for short-circuit protection of the auxiliary switch gG: 100 A (690 V, 100 kA), aM: 20A (690 V, 100 kA), BS88: 35A (415 80kA) 	V,	
 — with type of coordination 1 required — gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 V, 80 kA) — with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415 80kA) • for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA) 	V,	
V, 80 kA) — with type of assignment 2 required G: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415 80kA) • for short-circuit protection of the auxiliary switch g: 10 A (500 V, 1 kA)	V,	
• for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)		
	d	
required	d	
Installation/ mounting/ dimensions	d	
mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
• side-by-side mounting Yes		
height 102 mm		
width 45 mm		
depth 97 mm		
required spacing		
with side-by-side mounting		
— forwards 10 mm		
— upwards 10 mm		
— downwards 10 mm		
— at the side 0 mm		
• for grounded parts		
— forwards 10 mm		
— upwards 10 mm		
— at the side 6 mm		
— downwards 10 mm		
• for live parts		
— forwards 10 mm		
— upwards 10 mm		
— downwards 10 mm		
— at the side 6 mm		
Connections/ Terminals		
type of electrical connection		
• for main current circuit spring-loaded terminals		
• for auxiliary and control circuit spring-loaded terminals		
• at contactor for auxiliary contacts Spring-type terminals		
of magnet coil Spring-type terminals		
type of connectable conductor cross-sections		
• for main contacts		
— solid 2x (1 10 mm²)		
— solid or stranded 2x (1 10 mm²)		
— finely stranded with core end processing 2x (1 6 mm²)		
— finely stranded without core end processing 2x (1 6 mm²)		
• at AWG cables for main contacts 2x (18 8)		
connectable conductor cross-section for main		
contacts		
• solid 1 10 mm ²		

• stranded	1 10 mm²		
 finely stranded with core end processing 	1 6 mm²		
finely stranded without core end processing	1 6 mm²		
connectable conductor cross-section for auxiliary			
contacts			
 solid or stranded 	0.5 2.5 mm ²		
 finely stranded with core end processing 	0.5 1.5 mm ²		
finely stranded without core end processing	0.5 2.5 mm ²		
type of connectable conductor cross-sections			
 for auxiliary contacts 			
— solid or stranded	2x (0.5 2.5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²)		
 finely stranded without core end processing 	2x (0.5 2.5 mm²)		
at AWG cables for auxiliary contacts	2x (20 14)		
AWG number as coded connectable conductor cross			
section			
for main contacts	18 8		
for auxiliary contacts	20 14		
Safety related data			
product function			
mirror contact according to IEC 60947-4-1	Yes		
B10 value with high demand rate according to SN 31920	450 000		
proportion of dangerous failures			
 with low demand rate according to SN 31920 	40 %		
 with high demand rate according to SN 31920 	73 %		
failure rate [FIT] with low demand rate according to SN 31920	100 FIT		
T1 value for proof test interval or service life according to IEC 61508	20 y		
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
suitability for use			
 safety-related switching OFF 	Yes		
Cartificates/approvals			

Certificates/ approvals

General Product Approval



Confirmation





<u>KC</u>



Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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Type Examination Certificate



Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other









Confirmation

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=3RT2026-2AL20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2AL20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AL20

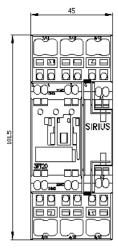
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

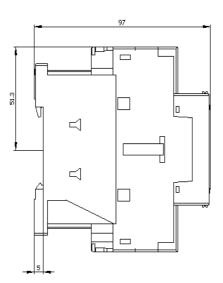
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-2AL20&lang=en

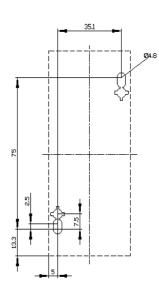
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AL20/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2AL20&objecttype=14&gridview=view1







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