SIEMENS

Data sheet 3RT2026-2AG20



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0

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 protective separation 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 (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)	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 	40 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	40 A
value	25 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	20.7 A
	20.2.4
— 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	10 mm²
operational current for approx. 200000 operating 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 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	0.2071
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1 ot 24 V reted value.	25 A
— at 24 V rated value	35 A
— at 60 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 60 V rated value	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 60 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 60 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 	300 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	144 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	118 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
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC

control supply voltage at AC		
### 10 PL rated value 10 V 10 PL rated value 10 PL rated value of Inspired col at AC 2	control supply voltage at AC	
Special State Section	at 50 Hz rated value	
magnet coil at AC	at 60 Hz rated value	110 V
# a 160 Hz		
apparent plok-up power of magnet coil at AC	● at 50 Hz	0.8 1.1
* a150 Hz	● at 60 Hz	0.85 1.1
Inductive power factor with closing power of the coil	apparent pick-up power of magnet coil at AC	
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 60 Hz 10.5 VA * at 60 Hz 0.25 * at 60 Hz 0.25 * at 60 Hz 0.25 * at 60 Hz 0.26 at 60 Hz 0.2	● at 50 Hz	81 VA
	● at 60 Hz	79 VA
	inductive power factor with closing power of the coil	
a payment holding power of magnet coil at AC 10.5 VA	● at 50 Hz	0.72
10.5 VA 15.0 Hz 16.0 Hz 16.5 VA 16.5	• at 60 Hz	0.74
• at 60 Hz	apparent holding power of magnet coil at AC	
Miductive power factor with the holding power of the coil	● at 50 Hz	10.5 VA
• at 50 Hz closing delay • at AC share AC opening delay • at AC arcing time control version of the switch operating mechanism Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact or number of NC contacts for auxiliary contacts instantaneous contact or number of NC contacts for auxiliary contacts instantaneous contact or number of NC contacts for auxiliary contacts instantaneous contact or number of NC contacts for auxiliary contacts instantaneous contact or number of NC contacts for auxiliary contacts instantaneous contact or number of NC contacts for auxiliary contacts instantaneous contact 1 contact at AC - 12 maximum 10 A operational current at AC-12 maximum 10 A at 400 V rated value 2 A at 600 V rated value 10 A at 600 V rated value 10 A at 100 V rated value 2 A at 100 V rated value 10 A at 100 V rated value 22 A	• at 60 Hz	8.5 VA
• at 60 Hz closing delay • at AC opening delay • at AC opening delay • at AC and AC and AC and AC and AC and AC A 16 ms arcing time 10 10 ms Control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact Co	inductive power factor with the holding power of the coil	
closing delay	● at 50 Hz	0.25
• at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts instantaneous contacts instantaneous contact instantaneous contact instantaneous contact instantaneous contacts instantaneous contact instantaneous contact instantaneous contacts instantaneous contact ins	● at 60 Hz	0.28
e at AC 416 ms arcing time 1010 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact reliable to the North Contact value	closing delay	
• atAC 416 ms arcing time 1010 ms Control version of the switch operating mechanism Slandard A1 - A2 Auxiliary circuit 1 number of NC contacts for auxiliary contacts instantaneous contact 1 number of NO contacts for auxiliary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-13 williary contacts at 3 A 3 A • at 230 V rated value 3 A • at 500 V rated value 1 A • at 500 V rated value 1 A • at 48 V rated value 6 A • at 48 V rated value 6 A • at 110 V rated value 1 A • at 120 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 250 V rated value 1 A • at 360 V rated value 1 A • at 48 V rated value 1 A • at 48 V rated value 2 A • at 110 V rated value 2 A • at 48 V rated value 0 A • at 120 V rated value <td< td=""><td>• at AC</td><td>8 40 ms</td></td<>	• at AC	8 40 ms
Auxiliary circuit Country	opening delay	
Control version of the switch operating mechanism Auxillary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact ontact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-12 maximum other of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum other of NC contacts for auxiliary contacts instantaneous contact cont	• at AC	4 16 ms
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value	arcing time	10 10 ms
number of NC contacts for auxillary contacts instantaneous contact 1 number of NO contacts for auxillary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A at 230 V rated value 3 A at 500 V rated value 2 A at 690 V rated value 1 A operational current at DC-12 1 A at 24 V rated value 6 A at 48 V rated value 6 A at 48 V rated value 6 A at 125 V rated value 2 A at 125 V rated value 1 A at 125 V rated value 2 A at 220 V rated value 1 A at 220 V rated value 2 A at 48 V rated value 10 A at 48 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 220 V rated value 1 A at 220 V rated value 0.9 A at 220 V rated value 0.3 A at 220 V rated value 0.3 A at 480 V rated value	control version of the switch operating mechanism	Standard A1 - A2
contact number of NO contacts for auxiliary contacts instantaneous contact contract 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 3 A • at 500 V rated value 2 A • at 690 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 125 V rated value 2 A • at 125 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 1 A • at 24 V rated value 0.15 A operational current at DC-13 2 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 25 V rated value 2 A • at 110 V rated value 2 A • at 125 V rated value 0.9 A • at 200 V rated value 0.1 A • at 200 V rated value	Auxiliary circuit	
Operational current at AC-12 maximum 10 A		1
Departional current at AC-15		1
	operational current at AC-12 maximum	10 A
at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 48 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 at 600 V rated value at 600 V rated value at 220 V rated value at 24 V rated value at 25 V rated value at 26 V rated value at 600 V rated value	operational current at AC-15	
	• at 230 V rated value	10 A
• at 690 V rated value 10 A operational current at DC-12 • at 24 V rated value 6 A • at 48 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 11 A • at 800 V rated value 11 A • at 220 V rated value 11 A • at 220 V rated value 11 A • at 800 V rated value 11 A • at 125 V rated value 10 A • at 48 V rated value 10 A • at 48 V rated value 11 A • at 110 V rated value 11 A • at 125 V rated value 11 A • at 120 V rated value 12 A • at 480 V rated value 12 A • at 480 V rated value 12 A • at 480 V rated value 12 A • at 600 V rated value 12 A	• at 400 V rated value	3 A
operational current at DC-12 • at 24 V rated value	• at 500 V rated value	2 A
	at 690 V rated value	1 A
	operational current at DC-12	
• 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 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 1 A • at 25 V rated value 0.9 A • at 220 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 full-load current (FLA) for 3-phase AC motor • at 480 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp	at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value 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 at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 34 G00 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at	• at 48 V rated value	6 A
 at 125 V rated value 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 at 48 V rated value at 600 V rated value at 100 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 200 V rated value at 300 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 7 A at 480 V rated value at 600 V rated value at 600 V rated value at 7 A at 8 A at 9 A at 9 A at 9 A at 9 A at 10 A at 10 A at 20 A at 20 A at 110 V rated value at 120 V rated value at 120 V rated value at 120 V rated value	 at 60 V rated value 	6 A
 at 220 V rated value 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 21 A • at 600 V rated value 21 A • at 600 V rated value 22 A yielded mechanical performance [hp] 6 or single-phase AC motor — at 110/120 V rated value 2 hp	• at 110 V rated value	3 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 11 A • 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 full-load current (FLA) for 3-phase AC motor • at 480 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp	• at 125 V rated value	2 A
operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 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 600 V rated value • at 600 V rated value Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • 21 A • at 600 V rated value • 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp	• at 220 V rated value	1 A
 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 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 2 A 	at 600 V rated value	0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp 	operational current at DC-13	
 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 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp 	• at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp 	• at 48 V rated value	2 A
at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 22 A yielded mechanical performance [hp] af for single-phase AC motor — at 110/120 V rated value 2 hp	• at 60 V rated value	2 A
 at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 21 A at 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp 	• at 110 V rated value	1 A
at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 21 A 22 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 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 • at 480 V rated value • at 600 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp	• at 220 V rated value	0.3 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp	<u> </u>	1 faulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 hp 	UL/CSA ratings	
• at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 22 A 22 A 2 hp	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value 2 hp	• at 480 V rated value	21 A
for single-phase AC motor — at 110/120 V rated value 2 hp	at 600 V rated value	22 A
— at 110/120 V rated value 2 hp	yielded mechanical performance [hp]	
· ·	 for single-phase AC motor 	
— at 230 V rated value 3 hp	— at 110/120 V rated value	2 hp
	— 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 	7.5 hp
 at 460/480 V rated value 	15 hp
— at 575/600 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
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 A (415 V, 80 kA)
 — with type of assignment 2 required 	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
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 DIN 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	10 11111
— forwards	10 mm
— upwards	10 mm
— upwarus — 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)
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
• 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 mm²
 finely stranded with core end processing 	0.5 1.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
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)
mory strained with core one processing	= (··· ·· ·· ·· ·· · · · · · · · ·

 finely stranded without core end processing 	2x (0.5 2.5 mm²)
 for 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 a
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
Certificates/ approvals	

General Product Approval





Confirmation



<u>KC</u>



chinery	EMC Functional Safety/Safety of Ma- chinery	Declaration of Conformity	Test Certificates
---------	--	---------------------------	-------------------



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Marine / Shipping other Railway Environment



Confirmation



Confirmation

Vibration and Shock

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

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=3RT2026-2AG20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2AG20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AG20

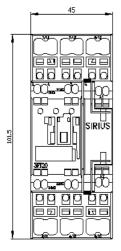
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RT2026-2AG20&lang=en

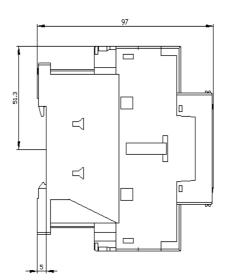
Characteristic: Tripping characteristics, I²t, Let-through current

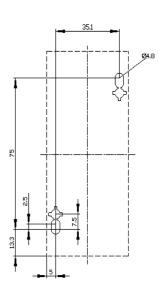
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AG20/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2AG20&objecttype=14&gridview=view1







last modified: 2/10/2023 🖸