SIEMENS

Data sheet 3RT2026-2AK60



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 1 NO + 1 NC, 110 V AC, 50 Hz / 120 V, 60 Hz, 3-pole, spring-loaded 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 (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
operating voltage	number of NO contacts for main contacts	
e at AC-3 rated value maximum operational current at AC-1 at 400 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — at AC-3 — at 400 V rated value — at 500 V rated value — at 600 V rated value — at AC-5 up to 400 V rated value — up to 330 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 500 V for current peak value n=30 rated value — up to 500 V for		3
at AC-3e rated value maximum operational current at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 — up to 590 V at ambient temperature 40 °C rated value at AC-1 — up to 590 V at ambient temperature 60 °C rated value — up to 590 V at ambient temperature 60 °C rated value at AC-3 — at 500 V rated value at AC-3 — at 500 V rated value at 500 V rated value at AC-3 — at 500 V rated value at AC-3 — at 500 V rated value at AC-3 up to 590 V rated value at AC-3 up to 590 V rated value at AC-4 up to 590 V rated value at AC-5 up to 590 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 500 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 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 — 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 — 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 — up to 400 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 v		690 V
operational current		
** at AC-1 at 400 V at ambient temperature 40 °C rated value *** at AC-1 — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 590 V at ambient temperature 60 °C rated value — at 690 V rated value — 18 A — at 500 V rated value — 18 A — at 500 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 18 A — at 690 V rated value — 20 rated value — 19 to 500 V rated value — 20 rated value — 19 to 500 V for current peak value n=20 rated value — 19 to 500 V for current peak value n=20 rated value — 19 to 500 V for current peak value n=20 rated value — 19 to 500 V for current peak value n=20 rated value — 19 to 500 V for current peak value n=20 rated value — 19 to 500 V for current peak value n=20 rated value — 19 to 500 V for current peak value n=30 rated value — 19 to 500 V for current peak value n=30 rated value — 19 to 500 V for current peak value n=30 rated value — 19 to 500 V for current peak value n=30 rated value — 19 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value — 10 to 400 V for current peak value n=30 rated value —		030 V
— up to 800 V at ambient temperature 40 °C rated value — up to 800 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value • at 800 V rated value • at 600 V rated value • at AC-5a up to 800 V rated value • at AC-5a up to 800 V rated value • at AC-6a — up to 200 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 600 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 — 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 — 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 — 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 — 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 — 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 400 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 700 V for current peak value n=30 rated value — up to 700 V for current peak value n=30 rated value — up to 700 V for current peak value n=30 rated value — up to 700 V for c	 at AC-1 at 400 V at ambient temperature 40 °C 	40 A
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rated value	rated value	
	rated value	35 A
at 500 V rated value		25 /
at 600 V rated value		
■ at AG-3e — at 400 V rated value — at 500 V rated value — at 690 V rated value ■ at AG-3d and V rated value ■ at AG-5d up to 690 V rated value ■ at AG-5d up to 690 V rated value ■ at AG-5d up to 690 V rated value — up to 230 V for current peak value n=20 rated value — up to 400 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 — up to 690 V for current peak value n=20 rated value — up to 690 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 — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current for approx. 200 V for current for approx. 30 A		
		13 A
at 500 V rated value		25 Δ
— at 680 V rated value • at AC-4 at 40 V rated value • at AC-5 au p to 690 V rated value • at AC-5a • at AC-5a — up to 230 V for current peak value n=20 rated value — up to 400 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 — up to 690 V for current peak value n=20 rated value — up to 230 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 — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — at 140 V rated value • at 140 V rated value • at 140 V rated value — at 600 V rated value — at 140 V rated value — at 110 V rated value		
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• at AC-5a up to 690 V rated value • at AC-5b up to 200 V rated value • at AC-5b up to 200 V for current peak value n=20 rated value — up to 230 V for current peak value n=20 rated value — up to 400 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 690 V for current peak value n=20 rated value — up to 690 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 — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 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 — at 220 V rated value		
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value	— up to 230 V for current peak value n=20 rated	20.2 A
value — up to 690 V for current peak value n=20 rated value • at AC-6a — 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 — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 400 V rated value and consider the value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 24 V rated value — at 100 V rated value — at 440 V rated value — at 100 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rat		20.2 A
• at AC-6a — 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 — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value operational current for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value ■ at 690 V rated value ■ at 110 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 22 V rated value — at 24 V rated value — at 24 V rated value — at 22 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 40 V rated value — at 40 V rated value — at 410 V rated value — at 40 V rated value — 35 A — at 220 V rated value — at 40 V rated value — 35 A — at 220 V rated value — 35 A — at 220 V rated value — 35 A — at 220 V rated value — 35 A — at 220 V rated value — 35 A — 35 A — 35 A — 36 A — 37 A — 37 A — 38	value	
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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 9 A • at 400 V rated value 9 A • at 690 V rated value 9 A • at 1 current path at DC-1 35 A — at 24 V rated value 4.5 A — at 120 V rated value 1 A — at 220 V rated value 0.4 A — at 600 V rated value 0.25 A • with 2 current paths in series at DC-1 35 A — at 220 V rated value 35 A — at 440 V rated value 5 A — at 220 V rated value 1 A — at 600 V rated value 1 A — at 440 V rated value 35 A — at 24 V rated value 1 A — at 220 V rated value 35 A — at 440 V rated value 35 A — at 24 V rated value 35 A — at 24 V rated value 35 A — at 24 V rated value 35 A — at 1110 V rated	— up to 230 V for current peak value n=30 rated	13.5 A
value — up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 400 V rated value — at 110 V rated value — at 210 V rated value — at 220 V rated value — at 24 V rated value — at 24 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 29 V rated value — at 210 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 29 V rated value — at 440 V rated value — at 24 V rated value — at 25 V rated value	value	
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 at 400 V rated value at 690 V rated value 9 A operational current at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 24 V rated value — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 220 V rated value 35 A — at 110 V rated value 35 A 		
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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 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 — at 24 V rated value 35 A — at 110 V rated value 5 A — at 220 V rated value 1 A — at 600 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 110 V rated value 35 A • at 110 V rated value 35 A — at 220 V rated value 35 A — at 220 V rated value 35 A — at 220 V rated value 35 A		9 A
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- at 220 V rated value		
- at 440 V rated value 0.25 A • with 2 current paths in series at DC-1 - at 24 V rated value 35 A - at 110 V rated value 5 A - at 220 V rated value 1 A - at 600 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 220 V rated value 35 A - at 220 V rated value 35 A		
 — at 600 V rated value ● with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value ■ with 3 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 120 V rated value — at 220 V rated value 		
 with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-1		
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- 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		25.4
- 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 — at 600 V rated value • with 3 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value 35 A — at 220 V rated value 35 A 		
 — at 600 V rated value ● with 3 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value 35 A — at 220 V rated value 35 A 		
 with 3 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value 35 A — 35 A 		
 at 24 V rated value at 110 V rated value at 220 V rated value 35 A 35 A 		U.U A
 — at 110 V rated value — at 220 V rated value 35 A 35 A 		35 Δ
— at 220 V rated value 35 A		

at 600 V rated value	1.4.4
— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	00.4
— at 24 V rated value	20 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	0.F. A
— 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 1's switching at zero current maximum limited to 5 s switching at zero current maximum	300 A; Use minimum cross-section acc. to AC-1 rated value
Illimited to 5's switching at zero current maximum Illimited to 10 s switching at zero current maximum	210 A; Use minimum cross-section acc. to AC-1 rated value
Illimited to 10 s switching at zero current maximum Imited to 30 s switching at zero current maximum	144 A; Use minimum cross-section acc. to AC-1 rated value
limited to 50 s switching at zero current maximum limited to 60 s switching at zero current maximum	118 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	11071, 300 minimum order-social race. to 710-1 rated value
• 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-3 maximum at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	250 1/11
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	110 V
at 60 Hz rated value	120 V
operating range factor control supply voltage rated	
, 0 . 0	

value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 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	0.5 VA
coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
	0.20
closing delay	0 40
• at AC	8 40 ms
opening delay	4. 40
• 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	1
instantaneous contact	
number of NO contacts for auxiliary contacts	1
instantaneous contact	40.4
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
 at 400 V rated value 	3 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	0.1071
• at 24 V rated value	10 A
	2 A
at 48 V rated value at 60 V rated value	2 A
at 60 V rated value at 110 V rated value	
• 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 	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 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 460/460 V rated value — 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 gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 with type of coordination 1 required 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 gG: 10 A (500 V, 1 kA) required 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 Yes • side-by-side mounting height 102 mm width 45 mm depth 97 mm required spacing • with side-by-side mounting 10 mm forwards 10 mm - upwards - downwards 10 mm - at the side 0 mm • for grounded parts 10 mm — forwards 10 mm - upwards - at the side 6 mm - downwards 10 mm · for live parts 10 mm - forwards - 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 2x (1 ... 10 mm²) — solid - 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 1 ... 10 mm² solid stranded 1 ... 10 mm² 1 ... 6 mm² • finely stranded with core end processing 1 ... 6 mm² • finely stranded without core end processing connectable conductor cross-section for auxiliary contacts 0.5 ... 2.5 mm² solid or stranded 0.5 ... 1.5 mm² • finely stranded with core end processing 0.5 ... 2.5 mm² finely stranded without core end processing 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 B10 value with high demand rate according to SN 31920

proportion of dangerous failures

40 % • with low demand rate according to SN 31920 73 % • with high demand rate according to SN 31920

failure rate [FIT] with low demand rate according to SN

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

· safety-related switching OFF

Yes

450 000

100 FIT

20 y

IP20

finger-safe, for vertical contact from the front

Yes

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



Functional EMC Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination **Certificate**





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping













Marine / Shipping

other

Railway



Confirmation



Confirmation

Vibration and Shock

Further information

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=3RT2026-2AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2AK60

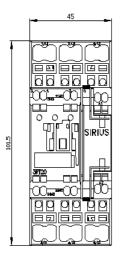
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

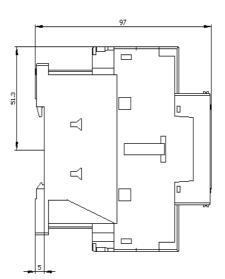
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AK60

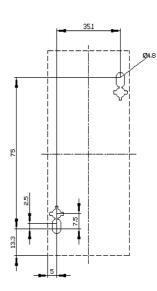
Characteristic: Tripping characteristics, I²t, Let-through current

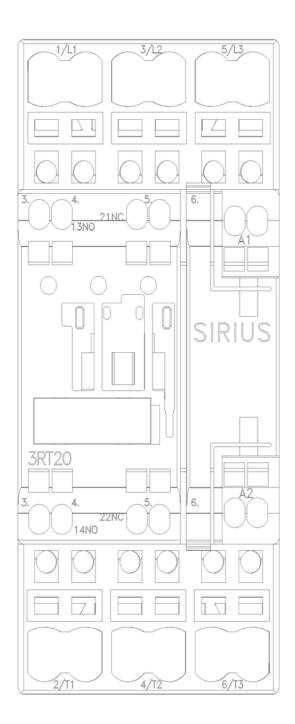
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AK60/char

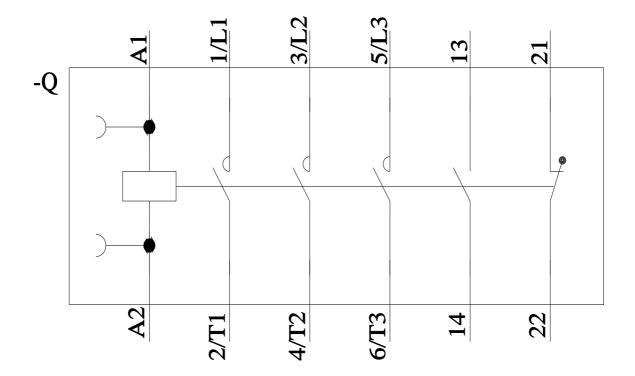
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2AK60&objecttype=14&gridview=view1











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