SIEMENS

Data sheet 3RT2026-1BB40



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 24 V DC, auxiliary contacts: 1 NO + 1 NC, screw 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 	5.9 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 DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 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 10 400 V rated value — up 10 230 V for current peak value n=20 rated value — up 10 500 V for current peak value n=20 rated value — up 10 500 V for current peak value n=20 rated value — up 10 500 V for current peak value n=30 rated value — up 10 500 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 40 °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
rated value — up to 600 V at ambient temperature 60 °C rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 600 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=30 rated value — up to 500 V for curr	• at AC-1	
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		
■ at AC-4 at 400 V rated value ■ at AC-5s up to 690 V rated value ■ at AC-5s up to 400 V rated value ■ at AC-5s up to 400 V rated value ■ at AC-5s up to 400 V for current peak value n=20 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 690 V for current peak value n=20 rated value ■ up to 690 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 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 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 ■ at 600 V rated value ■ at 110 V rated value ■ at 120 V rated value ■ at 220 V rated value ■ at 220 V rated value ■ at 440 V rated value ■ at 220 V rated		
• 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 to current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • 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 600 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 440 V rated value — at 440 V rated value — at 600 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 24 V rate		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 20 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 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 29 V rated value — at 210 V rated value — at 210 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 290 V rated value — at 440 V rated value — at 400 V rated value — at 24 V rated value — at 25 V rated value	value	
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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 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 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 120 V rated value 35 A - at 220 V rated value 35 A - at 220 V rated value 35 A - at 24 V rated value 35 A - at 24 V rated value 35 A - at 220 V rated value 35 A - at 220 V rated value 35 A		05.4
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- 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 		
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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 		
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 — 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 at 24 V rated value.	20. 4
— at 24 V rated value	20 A 2.5 A
— at 110 V rated value	
— 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	2F 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	05.4
— 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	551W
— 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 400 V rated value at 690 V rated value	7.7 kW
operating apparent power at AC-6a	1.1 TVV
up to 230 V for current peak value n=20 rated value	8 kVA
 up to 230 V for current peak value 11–20 rated value 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 300 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	15.4 kVA
operating apparent power at AC-6a	10.11071
• up to 230 V for current peak value n=30 rated value	5.3 kVA
 up to 230 V for current peak value ii=30 rated value up to 400 V for current peak value n=30 rated value 	9.3 kVA
 up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	11.6 kVA
 up to 300 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	15.5 kVA
short-time withstand current in cold operating state	IO.O KVA
up to 40 °C	
Iimited 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
 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	
• at AC	5 000 1/h
• at DC	1 500 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	DC
control supply voltage at DC	
• rated value	24 V
- Idioa valao	-1.

operating range factor control supply voltage rated	
value of magnet coil at DC	
• initial value	0.8
full-scale value	1.1
closing power of magnet coil at DC	5.9 W
holding power of magnet coil at DC	5.9 W
closing delay	
• at DC	50 170 ms
opening delay	
• at DC	15 18 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	
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	
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	0.3 A
at 220 V rated value	0.3 A
at 600 V rated value	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	riddity evitoring por 100 million (11 V, 1 milly)
full-load current (FLA) for 3-phase AC motor	04.4
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 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)
required	
Installation/ mounting/ dimensions	

mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
for a facility or any of the set	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	85 mm
width	45 mm
depth	107 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	40
— forwards	10 mm
— upwards	10 mm
— at the side — downwards	6 mm 10 mm
for live parts	10 111111
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control circuit 	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
 for main contacts 	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
at AWG cables for main contacts	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
stranded	1 10 mm²
finely stranded with core end processing	1 10 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	16 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	100 FIT
31920	20 v
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

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

• safety-related switching OFF

IP20

finger-safe, for vertical contact from the front

Yes

Certificates/ approvals

General Product Approval



Confirmation





KC



Functional EMC Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





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

Type Test Certificates/Test Report

Test Certificates

Marine / Shipping

Miscellaneous











Marine / Shipping

other



Railway Vibration and Shock

Transport Informa-<u>tion</u>

Dangerous Good



Environmental Confirmations

Confirmation



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=3RT2026-1BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1BB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1BB40

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

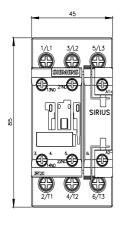
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1BB40&lang=en

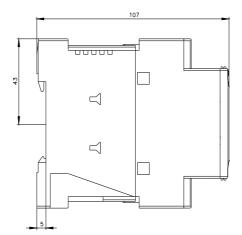
Characteristic: Tripping characteristics, I2t, Let-through current

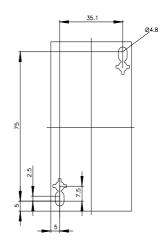
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1BB40/char

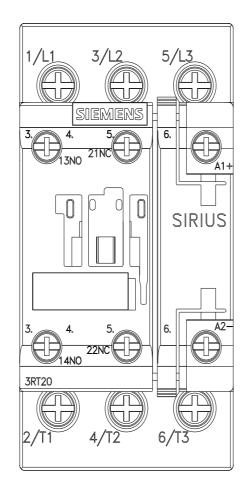
Further characteristics (e.g. electrical endurance, switching frequency)

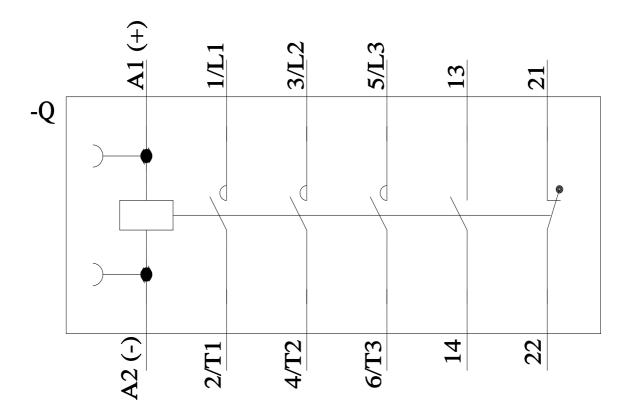
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1BB40&objecttype=14&gridview=view1











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