SIEMENS

Data sheet 3RT2026-1AG20



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, screw 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 	2.7 W
type of calculation of power loss depending on pole	quadratic
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
Weight	0.416 kg
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 %

Environmental Product Declaration(EPD) Yes Global Warming Potential (Co2 eq) dotal Global Warming Potential (Co2 eq) during nanufacturing 1.9 kg Global Warming Potential (Co2 eq) during nanufacturing 72.4 kg Global Warming Potential (Co2 eq) during operation 72.4 kg Global Warming Potential (Co2 eq) during operation 72.4 kg Global Warming Potential (Co2 eq) during operation 72.4 kg Global Warming Potential (Co2 eq) during operation 72.4 kg Global Warming Potential (Co2 eq) during operation 72.4 kg Global Warming Potential (Co2 eq) during operation 72.4 kg Global Warming Valtage	Environmental footprint	
Global Warming Potential (CO2 eq) during manufacturing 1.9 kg		Yes
Global Warming Potential [COZ eq] during manufacturing 1.9 kg		
Global Warming Potential (CO2 eq) after end of life -0.117 kg	÷	-
Clobal Warming Potential [CO2 eq] after end of life		·
Name of Poles for main current circuit 3		
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-3 rated value maximum 690 V operational current • at AC-1 at 400 V at ambient temperature 40 °C rated value 40 A • at AC-1 — up to 690 V at ambient temperature 60 °C rated value 40 A — up to 690 V at ambient temperature 60 °C rated value 35 A • at AC-3 — at 500 V rated value 18 A • at AC-3e — at 500 V rated value 18 A • at 600 V rated value 15.5 A • at AC-5e up to 690 V rated value 15.5 A • at AC-5e up to 690 V rated value 20.2 A • at AC-5e up to 690 V rated value necessaries 20.2 A • up to 400 V for current peak value necessaries 20.2 A • up to 500 V for current peak value necessaries 13.5 A		o. Tri Ng
number of NO contacts for main contacts operating voltage		3
operating voltage		
at AC-3 rated value maximum at AC-3 rated value maximum bego V at AC-3 rated value maximum bego V portational current at AC-1 at 400 V at ambient temperature 40 °C rated value alt AC-1 at 400 V at ambient temperature 40 °C rated value alt AC-1 at 400 V at ambient temperature 60 °C rated value alt AC-3 up to 690 V at ambient temperature 60 °C rated value at AC-3 up to 690 V at ambient temperature 60 °C rated value at AC-3 up to 690 V rated value at 500 V rated value at 600 V rated value at AC-3 up to 690 V rated value at AC-5 up to 690 V rated value at AC-5 up to 690 V rated value at AC-5 up to 690 V rated value at AC-6 up to 690 V for current peak value n=20 rated value aup to 500 V for current peak value n=20 rated value aup to 690 V for current peak value n=20 rated value aup to 690 V for current peak value n=20 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value aup to 690 V for current peak value n=30 rated value augusta descriptions d		
• at AC-3e rated value maximum • at AC-1		690 V
operational current		
at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-3 — 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 690 V rated value at AC-3a — at 400 V rated value at 600 V rated value at 600 V rated value at AC-5a up to 690 V rated value at AC-5a up to 690 V rated value at AC-6a — up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value at AC-6a — up to 230 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=20 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 AC-6a up to 690 V for current peak value n=30 rated value at AC-6a up to 690 V for current peak value n=30 rated value at AC-6a up to 690 V for current peak value n=30 rated value at AC-6a up to 690 V for current peak value n=30 rated value at AC-6a up to 690 V for current peak value n=30 rated value at AC-6a at 400 V rated value at 600 V rated value at 6		
up to 690 V at ambient temperature 40 °C rated value	 at AC-1 at 400 V at ambient temperature 40 °C rated value 	40 A
• at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 600 V rated value — at 600 V rated value — at AC-5a up to 690 V rated value — at AC-5b up to 690 V rated value — at AC-5b up to 400 V rated value — at AC-6a — up to 230 V for current peak value n=20 rated value — up to 640 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=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 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 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 290 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — at 400 V rated value — at 110 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value	— up to 690 V at ambient temperature 40 °C rated	40 A
- at 400 V rated value	— up to 690 V at ambient temperature 60 °C rated	35 A
- at 500 V rated value	• at AC-3	
■ at AC-3e — 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 AC-4 at 400 V rated value ■ at AC-5a up to 690 V rated value ■ at AC-5a up to 690 V rated value ■ at AC-5b up to 400 V rated value ■ at AC-6a ■ up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — 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=30 rated value ■ at AC-6a — 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 — at 690 V rated value ● at 4 400 V rated value ● at 4 400 V rated value ● at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 20 V rated value	— at 400 V rated value	25 A
at AC-3e — at 400 V rated value — at 500 V rated value — at 690 V rated value 18 A — at 690 V rated value 15.5 A at AC-4 at 400 V rated value 15.5 A at AC-5a up to 690 V rated value 20.7 A at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — 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 690 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 — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 110 V rated value — at 24 V rated value — at 20 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 250 V rated value	— at 500 V rated value	18 A
- at 400 V rated value	— at 690 V rated value	13 A
at 500 V rated value	• at AC-3e	
— at 690 V rated value ■ at AC-4 at 400 V rated value ■ at AC-5a up to 690 V rated value ■ at AC-5b up to 400 V rated value ■ at AC-5b up to 400 V rated value ■ at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — 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 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 400 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 500 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — at 400 V rated value ● at 690 V rated value ● at 690 V rated value ● at 60 V rated value — at 24 V rated value — at 24 V rated value — at 20 V rated value — at 110 V rated value — at 220 V rated value	— at 400 V rated value	
• at AC-4 at 400 V rated value • at AC-5 up to 690 V rated value • at AC-5 up to 690 V rated value • at AC-5b up to 400 V rated value • at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 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 • at AC-6a — 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 — at 600 V rated value • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 20 V rated value — at 20 V rated value — at 20 V rated value — at 220 V rated value	— at 500 V rated value	18 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — 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=30 rated value at AC-6a — 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 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 400 V rated value • at 400 V rated value • at 400 V rated value • at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 240 V rated value	— at 690 V rated value	13 A
 at AC-5b up to 400 V rated value at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — 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 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 — at 400 V rated value — at 400 V rated value — at 60 V rated value — at 220 V rated value 		
at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated 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 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 aup to 690 V for current peak value n=30 rated value 13.5 A 13.5 A 10 mm² operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 600 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 4.5 A — at 220 V rated value 1 A	·	
- 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=30 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 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 400 V rated value - at 400 V rated value - at 240 V rated value - at 24 V rated value - at 60 V rated value - at 110 V rated value - at 110 V rated value - at 220 V rated value	·	20.7 A
- 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 • 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 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 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 1 current path at DC-1 - at 24 V rated value - at 60 V rated value - at 110 V rated value - at 110 V rated value - at 220 V 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 • 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 690 V for current peak valu	· · · · · · · · · · · · · · · · · · ·	
 up to 690 V for current peak value n=20 rated value 12.9 A at AC-6a up to 230 V for current peak value n=30 rated value 13.5 A up to 400 V for current peak value n=30 rated value 13.5 A up to 500 V for current peak value n=30 rated value 13.5 A up to 690 V for current peak value n=30 rated value 13 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating 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 at 60 V rated value at 60 V rated value at 10 V rated value at 10 V rated value at 110 V rated value at 20 A at 220 V rated value 1 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 690 V for current peak value n=30 rated 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 operational current at 1 current path at DC-1 — at 24 V rated value — at 10 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 1 A	·	
- 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 13.5 A - up to 690 V for current peak value n=30 rated value 13 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A operational current • at 1 current path at DC-1 - at 24 V rated value - at 60 V rated value - at 110 V rated value - at 1220 V rated value - at 220 V rated value - at 1 A	• at AC-6a	
— up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value 13.5 A 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 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 — at 110 V rated value — at 220 V rated value 13.5 A 10 mm² 10 mm² 9 A 9 A 9 A 9 A 4 5 A 1 A	·	
— 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 60 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value 13 A 10 mm² 10 mm² 9 A 9 A 9 A 9 A 9 A 9 A 9 A 4 5 A 4 5 A 1 A	·	
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 • at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value 10 mm² 9 A 9 A 9 A 9 A 9 A	·	
value operational current for approx. 200000 operating cycles at AC-4 • 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 35 A — at 60 V rated value 20 A — at 110 V rated value 4.5 A — at 220 V rated value 1 A		
AC-4	value	10 mm²
● 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	AC-4	9.4
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		VA
— 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 60 V rated value at 110 V rated value at 220 V rated value 1 A 	·	35 A
at 110 V rated valueat 220 V rated value1 A		
— at 220 V rated value 1 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	·	35 A
— at 60 V rated value 35 A	— at 60 V rated value	35 A
— at 110 V rated value 35 A	— at 110 V rated value	35 A
— at 220 V rated value 5 A	— at 220 V rated value	5 A
— at 440 V rated value 1 A	— at 440 V rated value	1 A
— at 600 V rated value 0.8 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 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 with stand current in cold operating state up to 40 $^{\circ}\text{C}$	
 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
 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

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	
• at 50 Hz rated value	110 V
at 60 Hz rated value	110 V
operating range factor control supply voltage rated value of	
magnet coil at AC	0.0 4.4
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	241/4
• at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	0.72
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	40.53/4
• at 50 Hz	10.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	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 Auxiliary circuit	Standard A1 - A2
number of NC contacts for auxiliary contacts instantaneous	1
contact	
number of NO contacts for auxiliary contacts instantaneous	1
contact	10 A
operational current at AC-12 maximum	10 A
operational current at AC-15	10.4
at 230 V rated value at 400 V rated value	10 A
• at 500 V rated value	3 A 2 A
at 500 V rated valueat 690 V rated value	1 A
operational current at DC-12	14
at 24 V rated value	10 A
at 24 V rated value at 48 V rated value	6 A
= 01 90 V 1015U V01UE	V D
• at 60 V rated value	6 A
at 60 V rated valueat 110 V rated value	6 A 3 A
at 60 V rated valueat 110 V rated valueat 125 V rated value	6 A 3 A 2 A
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value 	6 A 3 A 2 A 1 A
 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 	6 A 3 A 2 A
 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 operational current at DC-13	6 A 3 A 2 A 1 A 0.15 A
 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 operational current at DC-13 at 24 V rated value 	6 A 3 A 2 A 1 A 0.15 A
 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 operational current at DC-13 at 24 V rated value at 48 V rated value 	6 A 3 A 2 A 1 A 0.15 A
 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 operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value 	6 A 3 A 2 A 1 A 0.15 A
 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 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 	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A
 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 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 	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A
 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 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 125 V rated value at 220 V rated value 	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A
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 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 110 V rated value at 125 V rated value	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A

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 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 side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	85 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
	O IIIIII
for grounded parts	40
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	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
for AWG cables for main contacts	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	۵۸ (۱۷ ۱۵), ۵۸ (۱ ۹ ۵)
	1 10 mm ²
• solid	1 10 mm²
• stranded	1 10 mm ²
 finely stranded with core end processing 	1 10 mm²

connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm ²
finely stranded with core end processing	0.5 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)
 for 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
 positively driven operation according to IEC 60947-5-1 	No
 suitable for safety function 	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
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
Approvals Certificates	

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping





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Miscellaneous

other

Confirmation

other Railway Environment

Environmental Confirmations



Further information

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=3RT2026-1AG20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AG20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AG20

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

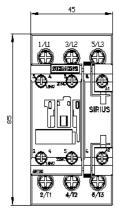
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AG20&lang=en

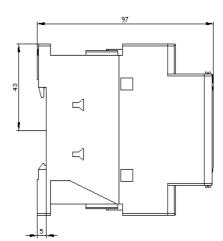
Characteristic: Tripping characteristics, I²t, Let-through current

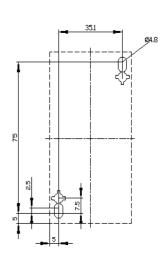
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AG20/char

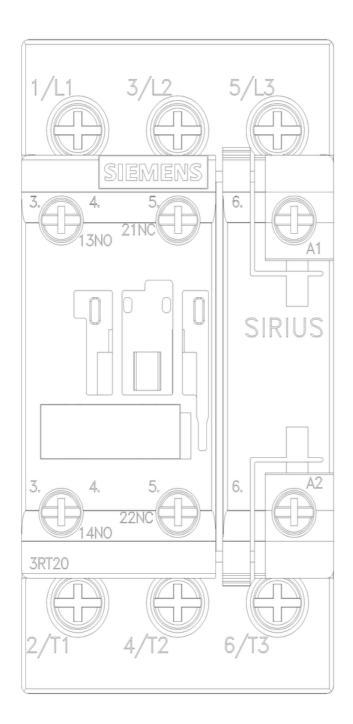
Further characteristics (e.g. electrical endurance, switching frequency)

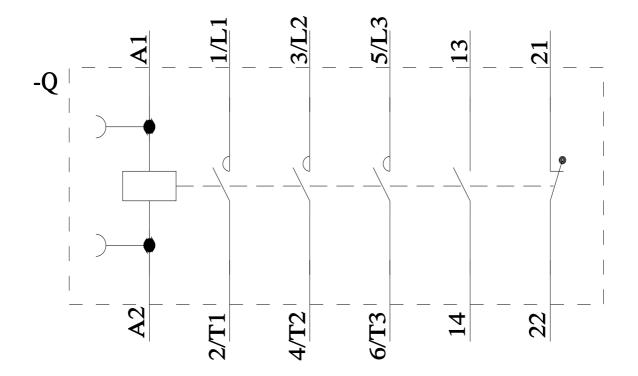
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