SIEMENS

Data sheet 3RT2026-2AN20



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 220 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0

product obsignation Power contactor product type designation SRT2 Size of contactor S0 - function module for communication - auxiliary switch - at AC in hot operating state - at AC in hot operating state - at AC in hot operating state per pole - at AC in hot operating state per pole - without load current share typical - type of calculation of power loss depending on pole - insulation voltage - of main circuit with degree of pollution 3 rated value - of auxiliary circuit with degree of pollution 3 rated value - of auxiliary circuit with degree of pollution 3 rated value - of auxiliary circuit with degree of pollution 3 rated value - of auxiliary circuit rated value - of auxiliary switch biock bytical - of the contactor with added electronically optimized - auxiliary switch biock typical - of the contactor with added electronically optimized - auxiliary switch biock typical - of the contactor with added electronically optimized - auxiliary switch biock typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added auxiliary switch block typical - of the contactor with added electronically optimized - auxiliary switch block typical - of the contactor with added electronically optimized - of the contactor with added electronically optimized - of the contactor with added electronically optimized - of the	product brand name	SIRIUS
product type designation General technical data size of contactor **product extension** **function module for communication** **sunding y switch** **power loss [W] for rated value of the current** **at AC in hot operating state per pole	•	
Size of contactor	· •	
size of contactor product extension • function module for communication • function module for communication • function module for communication • auxiliary switch at AC in hot operating state • at AC in hot operating state per pole • without load current share typical type of calculation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value at AC shock resistance at rectangular impulse • at AC shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC solve (resistance with sine pulse • at AC solve (resistance with sine pulse • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to EC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum admient temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum relative humidity at 55 °C according to IEC 60068-2-30 maximum		UNIZ
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relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30	 during operation 	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum	during storage	-55 +80 °C
maximum	relative humidity minimum	10 %
Environmental footprint		95 %
	Environmental footprint	

Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	74.2 kg
Global Warming Potential [CO2 eq] during manufacturing	1.9 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	72.4 kg
Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	-0.117 kg
Main circuit	-0.117 kg
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	3
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	000 V
at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	40 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	05.4
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
at AC-4 at 400 V rated value	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	00.0 A
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A 20.2 A
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	12.9 A
at AC-6a	12.9 A
— 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	10 mm²
operational current for approx. 200000 operating cycles at	
AC-4	0.0
 at 400 V rated value at 690 V rated value 	9 A 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	1A
— 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 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
• with 3 current paths in series at DC-1	
·	

— 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	I.T.A.
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1A
— 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 — at 690 V rated value	11 kW
• at AC-3e	I I KVV
— 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	0.17/4
• 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 up to 690 V for current peak value n=20 rated value 	17.4 kVA 15.4 kVA
operating apparent power at AC-6a	10.7 NVA
up to 230 V for current peak value n=30 rated value	5.3 kVA
• up to 400 V for current peak value n=30 rated value	9.3 kVA
up to 500 V for current peak value n=30 rated value	11.6 kVA
up to 690 V for current peak value n=30 rated value	15.5 kVA
short-time withstand current in cold operating state up to 40 °C	
• limited to 1 s switching at zero current maximum	375 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 5 s switching at zero current maximum	300 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	144 A; Use minimum cross-section acc. to AC-1 rated value
• 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	

+ al AC-3 maximum	• at AC-1 maximum	1 000 1/h
A AC-3 maximum	 at AC-2 maximum 	750 1/h
e at AC-4 maximum 250 lth	• at AC-3 maximum	750 1/h
Section Commits Commits	• at AC-3e maximum	750 1/h
Type of voltage of the control supply voltage AC	• at AC-4 maximum	250 1/h
Control supply voltage at AC	Control circuit/ Control	
Control supply voltage at AC • at 50 Hz rated value • at 60 Hz	type of voltage of the control supply voltage	AC
eat 60 Hz rated value		
e at 00 Hz rated value operating range factor control supply voltage rated value of migrant coll # AC e at 50 Hz observed for the suppose of magnet coll at AC at 50 Hz ot 100 Hz at 50 Hz at 50 Hz at 50 Hz at 50 Hz ot 100 Hz at 50 Hz a		220 V
Operating range factor control supply voltage rated value of magnet coil at AC 0.8		
magnet coll at AC a 15 0 Hz 0.8 1.1 e at 50 Hz 0.8 1.1 0.85 1.1 apparent pick-up power of magnet coll at AC a 15 0 Hz 79 VA inductive power factor with closing power of the coll 0.72 a 15 0 Hz a 15 0 Hz 0.74 0.74 apparent holding power of magnet coll at AC 8 5 VA a 15 0 Hz 8.5 VA inductive power factor with the holding power of the coll 8 5 VA inductive power factor with the holding power of the coll 0.25 a 15 0 Hz 0.28 closing delay 8 40 ms a 14 AC 9 16 ms a 15 Mz 10 10 ms contract 10 10 ms Auxillary circuit 10 10 ms number of NC contacts for auxiliary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at DC-12 10 A at 250 V rade value 1 A at 250 V rade value 1 A at 250 V rade value <		220 V
■ at 50 Hz ■ at 60 Hz		
apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz to blt2 at 60 Hz apparent holding power of magnet coil at AC at 60 Hz apparent holding power of magnet coil at AC at 60 Hz at	• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	• at 60 Hz	0.85 1.1
a t 50 Hz		
e at 60 Hz		81 \/Δ
Inductive power factor with closing power of the coil • at 50 Hz		
• at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz 10.5 VA • at 60 V rated value • at 400 V rated value • at 60 V rated value		13 VA
■ at 60 Hz apparent holding power of magnet coil at AC ■ at 50 Hz ■ at 60 Hz inductive power factor with the holding power of the coil ■ at 50 Hz ■ at 60 Hz		0.70
apparent holding power of magnet coil at AC		
* at 50 Hz		0.74
a 16 0 Hz inductive power factor with the holding power of the coil a 16 0 Hz 0.25 0.28		
Inductive power factor with the holding power of the coil ■ at 50 Hz	● at 50 Hz	
■ at 50 Hz ■ at 60 Hz	● at 60 Hz	8.5 VA
a at AC	inductive power factor with the holding power of the coil	
closing delay	● at 50 Hz	0.25
● at AC	● at 60 Hz	0.28
opening delay • at AC • at C arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 800 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 20 V rated value • at 20 V rated value • at 80 V rated value • at 40 V rated value • at 10 V rated value • at 10 V rated value • at 10 V rated value • at 120 V rated va	closing delay	
■ at AC arcing time	• at AC	8 40 ms
arcing time 10 10 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit To Contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 3 A • at 400 V rated value 2 A • at 690 V rated value 1 A • at 24 V rated value 6 A • at 48 V rated value 6 A • at 110 V rated value 3 A • at 110 V rated value 3 A • at 110 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 600 V rated value 1 A • at 220 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 2 A • at 220 V rated value 1 A • at 220 V rated value 2 A • at 220 V rated value 2 A • at 110 V rated value	opening delay	
control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 260 V rated value • at 27 V rated value • at 28 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 30 V rated value • at 30 V rated value • at 48 V rated value • at 600 V rated value • at 600 V rated value • at 70 V rated value • at 125 V rated value • at 125 V rated value • at 20 V rated value • at 20 V rated value • at 48 V rated value • at 20 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 60 V rated value	• at AC	4 16 ms
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts 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 2 A • at 690 V rated value 10 A operational current at DC-12 • at 24 V rated value 6 A • at 8V rated value 6 A • at 8V rated value 6 A • at 10 V rated value 7 A • at 125 V rated value 8 A • at 125 V rated value 9 A • at 120 V rated value 9 A • at 20 V rated value 9 A • at 30 V rated value 9 A • at 48 V rated value 9 A • at 48 V rated value 9 A • at 40 V rated value 9 A • at 10 V rated value 9 A • at 10 V rated value 9 A • at 10 V rated value 9 A • at 20 V	arcing time	10 10 ms
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value 10 A • at 400 V rated value 2 A • at 500 V rated value 11 A operational current at DC-12 • at 24 V rated value 10 A • at 48 V rated value 6 A • at 80 V rated value 6 A • at 10 V rated value 10 A • at 220 V rated value 11 A operational current at DC-13 • at 24 V rated value 11 A • at 48 V rated value 12 A • at 125 V rated value 14 A • at 125 V rated value 15 A • at 220 V rated value 15 A • at 220 V rated value 16 A • at 600 V rated value 17 A • at 24 V rated value 17 A • at 48 V rated value 18 A • at 600 V rated value 19 A • at 600 V rated value 10 A • at 48 V rated	control version of the switch operating mechanism	Standard A1 - A2
contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 4 V rated value • at 4 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 250 V rated value • at 260 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 20 V rated value • at 20 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 20 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value	Auxiliany circuit	
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 48 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 • at 220 V rated value • at 280 V rated value • at 280 V rated value • at 110 V rated value • at 210 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	Auxiliary Circuit	
contact coperational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 10 A • at 400 V rated value 3 A • at 500 V rated value 1 A operational current at DC-12 1 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 1 O A • at 24 V rated value 10 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 25 V rated value 2 A • at 120 V rated value 2 A • at 120 V rated value 2 A • at 120 V rated value 0.9 A • at 600 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary conta		1
operational current at AC-15 operational current at DC-12 operational current at DC-13 operational current operat	number of NC contacts for auxiliary contacts instantaneous	1
operational current at AC-15 10 A • at 230 V rated value 3 A • at 500 V rated value 2 A • at 690 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 80 V rated value 6 A • at 100 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 10 A • at 24 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 2 A • at 125 V rated value 0.9 A • at 220 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)	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	
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 at 400 V rated value at 500 V rated value at 690 V rated value 1 A operational current at DC-12 at 24 V rated value 6 A at 60 V rated value 6 A at 110 V rated value at 220 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 30 V rated value at 220 V rated value at 30 V rated value at 220 V rated value at 30 V rated value at 600 V rated value <li< td=""><td>number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum</td><td>1</td></li<>	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	1
 at 500 V rated value at 690 V rated value 1 A operational current at DC-12 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 112 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 24 V rated value at 24 V rated value at 24 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V r	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 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 3 A • at 110 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 2 A • at 24 V rated value 10.15 A operational current at DC-13 • at 24 V rated value 2 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 60 V rated value 2 A • at 20 V rated value 3 A • at 20 V rated value 3 A • at 20 V rated value 4 A • at 60 V rated value 5 A • at 60 V rated value 6 A • at 110 V rated value 7 A • at 125 V rated value 9 A • at 125 V rated value 9 A • at 220 V rated value 9 A • at 600 V rated value	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	1 10 A 10 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 3 A • at 110 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 220 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)	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1 10 A 10 A 3 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 28 V rated value at 28 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 30 V rated value at 30 V rated value at 30 V rated value at 210 V rated value at 30 V rated value at 30 V rated value at 600 V	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	1 10 A 10 A 3 A 2 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value on 15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 24 V rated value at 24 V rated value at 10 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 200 V rated value at 600 V	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	1 10 A 10 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 at 24 V rated value at 48 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 120 V rated value at 120 V rated value at 120 V rated value at 200 V rated value at 200 V rated value at 600 V rated value<td>number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12</td><td>1 10 A 10 A 3 A 2 A</td>	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	1 10 A 10 A 3 A 2 A
 at 110 V rated value at 125 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 1600 V rated value <	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	1 10 A 10 A 3 A 2 A 1 A
 at 125 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 220 V rated value at 600 V rated value 	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value	1 10 A 10 A 3 A 2 A 1 A
 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 at 220 V rated value at 220 V rated value at 600 V rated value at 125 V rated value at 220 V rated value at 320 V rated value at 600 V rated value<!--</td--><td>number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value</td><td>1 10 A 10 A 3 A 2 A 1 A 10 A</td>	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A
	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 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 1 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
 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 at 220 V rated value at 600 V rated value 	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
 at 48 V rated value at 60 V rated value at 110 V rated value 1 A at 125 V rated value at 220 V rated value at 600 V rated v	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 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 <l< td=""><td>number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value</td><td>1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A</td></l<>	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value <	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value <	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
 at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) 	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 250 V rated value • at 250 V rated value • at 270 V rated value • at 28 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
 at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) 	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 2 A 1 A 0.15 A
◆ at 600 V rated value O.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 34 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 110 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A
	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 125 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A
OLIOOA Tallings	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 100 V rated value • at 100 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A

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	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	102 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
 for auxiliary and control circuit 	spring-loaded terminals
 at contactor for auxiliary contacts 	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections	
for main contacts	
— solid	2x (1 10 mm²)
— solid or stranded	2x (1 10 mm²)
 finely stranded with core end processing 	2x (1 6 mm²)
 finely stranded without core end processing 	2x (1 6 mm²)
for AWG cables for main contacts	2x (18 8)
	(/
connectable conductor cross-section for main contacts	
connectable conductor cross-section for main contacts • solid	1 10 mm²
• solid	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 1.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
 solid or stranded 	2x (0.5 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 14)
AWG number as coded connectable conductor cross section	
• for main contacts	18 8
 for auxiliary contacts 	20 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 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
T1 value	
 for proof test interval or service life according to IEC 61508 	20 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

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping









Miscellaneous

other

Confirmation

other Railway **Environment**

Confirmation

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



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=3RT2026-2AN20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2AN20

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

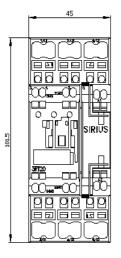
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-2AN20&lang=en

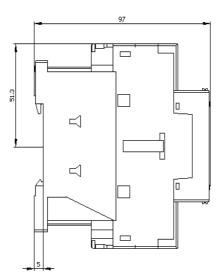
Characteristic: Tripping characteristics, I2t, Let-through current

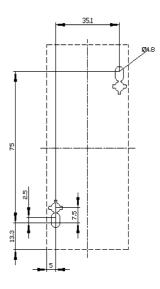
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AN20/char

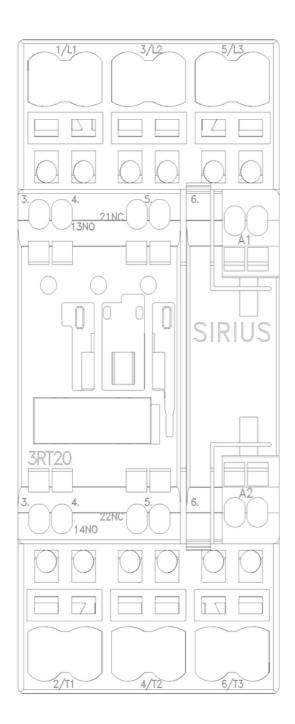
Further characteristics (e.g. electrical endurance, switching frequency)

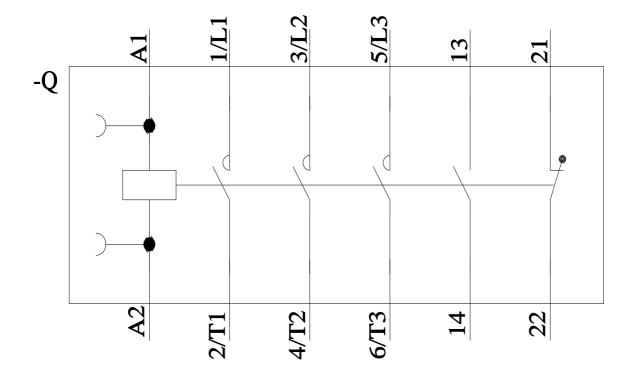
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2AN20&objecttype=14&gridview=view1











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