# **SIEMENS**

Data sheet 3RT2026-1AU20



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 380 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	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
<ul> <li>without load current share typical</li> </ul>	2.7 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	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
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.42 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 %

global warming potential [CO2 eq] during manufacturing  global warming potential [CO2 eq] during operation  72.4	2 kg kg 4 kg 117 kg
global warming potential [CO2 eq] total  global warming potential [CO2 eq] during manufacturing  global warming potential [CO2 eq] during operation  72.4  global warming potential [CO2 eq] after end of life  -0.1  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  operating voltage  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value  40 A	2 kg kg 4 kg 117 kg
global warming potential [CO2 eq] during manufacturing global warming potential [CO2 eq] during operation 72.4 global warming potential [CO2 eq] after end of life -0.1  Main circuit  number of poles for main current circuit 3 number of NO contacts for main contacts 3 operating voltage  • at AC-3 rated value maximum • at AC-3e rated value maximum  operational current • at AC-1 at 400 V at ambient temperature 40 °C rated value	kg 4 kg 117 kg
global warming potential [CO2 eq] during operation 72.4 global warming potential [CO2 eq] after end of life -0.1  Main circuit  number of poles for main current circuit 3 number of NO contacts for main contacts 3 operating voltage  • at AC-3 rated value maximum 690 • at AC-3e rated value maximum 690  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value	4 kg 117 kg
global warming potential [CO2 eq] after end of life  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  operating voltage  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value	117 kg
Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  operating voltage  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value  40 A	0 V
number of poles for main current circuit  number of NO contacts for main contacts  operating voltage  at AC-3 rated value maximum  at AC-3e rated value maximum  operational current  at AC-1 at 400 V at ambient temperature 40 °C rated value  40 A	
number of NO contacts for main contacts  operating voltage  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value  40 A	
operating voltage  • at AC-3 rated value maximum 690  • at AC-3e rated value maximum 690  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value	
<ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operational current</li> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	
operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value  40 A	0 V
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	
value	
■ dLAU=1	A
— up to 690 V at ambient temperature 40 °C rated value 40 A	A
— up to 690 V at ambient temperature 60 °C rated value	A
• at AC-3	
— at 400 V rated value 25 A	A
— at 500 V rated value	A
— at 690 V rated value	A
• at AC-3e	
— at 400 V rated value 25 A	
— 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 35.2	
<ul> <li>at AC-5b up to 400 V rated value</li> <li>at AC-6a</li> </ul>	T A
— up to 230 V for current peak value n=20 rated value 20.2	2 Δ
— up to 400 V for current peak value n=20 rated value 20.2	
— up to 500 V for current peak value n=20 rated value 20.2	
— up to 690 V for current peak value n=20 rated value 12.9	
• at AC-6a	
— up to 230 V for current peak value n=30 rated value 13.5	5 A
— up to 400 V for current peak value n=30 rated value 13.5	5 A
— up to 500 V for current peak value n=30 rated value 13.5	5 A
— up to 690 V for current peak value n=30 rated value 13 A	A
minimum cross-section in main circuit at maximum AC-1 rated value	mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value 9 A	
at 690 V rated value     9 A	
operational current	
• at 1 current path at DC-1	Λ
— at 24 V rated value 35 A	
— at 60 V rated value 20 A	
<ul> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>1 A</li> </ul>	
— at 420 V rated value 17A  — at 440 V rated value 0.4	
— at 440 V rated value 0.47  — at 600 V rated value 0.25	
with 2 current paths in series at DC-1	· ·
— at 24 V rated value 35 A	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 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 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	0.0071
— 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-2 at 400 V rated value	11 kW
• 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
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	9.3 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	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	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	375 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	300 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	210 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	144 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	118 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	

• at AC	5 000 1/h
	J 000 1/11
operating frequency  • at AC-1 maximum	1 000 1/h
at AC-1 maximum     at AC-2 maximum	750 1/h
at AC-2 maximum     at AC-3 maximum	750 1/h 750 1/h
	750 1/h
at AC-3e maximum     at AC-4 maximum	
at AC-4 maximum  Control circuit/ Control	250 1/h
Control circuit/ Control	40
type of voltage of the control supply voltage	AC
control supply voltage at AC	000 V
at 50 Hz rated value	380 V
at 60 Hz rated value	380 V
operating range factor control supply voltage rated value of magnet coil at AC	
at 50 Hz	0.8 1.1
at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	81 VA
● at 60 Hz	79 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.72
● at 60 Hz	0.74
apparent holding power of magnet coil at AC	
• at 50 Hz	10.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
1 0	
• at AC	4 16 ms
• at AC arcing time	10 10 ms
at AC     arcing time     control version of the switch operating mechanism	
at AC     arcing time	10 10 ms
at AC     arcing time     control version of the switch operating mechanism	10 10 ms
at AC     arcing time     control version of the switch operating mechanism     Auxiliary circuit     number of NC contacts for auxiliary contacts instantaneous	10 10 ms Standard A1 - A2
at AC     arcing time     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	10 10 ms Standard A1 - A2
at AC     arcing time     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	10 10 ms Standard A1 - A2  1
at AC     arcing time     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     operational current at AC-12 maximum	10 10 ms Standard A1 - A2  1
at AC     arcing time     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     operational current at AC-12 maximum     operational current at AC-15	10 10 ms Standard A1 - A2  1  1  10 A
at AC  arcing time  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  operational current at AC-12 maximum  operational current at AC-15  at 230 V rated value	10 10 ms Standard A1 - A2  1  1  10 A
at AC  arcing time  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  operational current at AC-12 maximum  operational current at AC-15  at 230 V rated value  at 400 V rated value	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A
at AC  arcing time  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  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	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A 2 A
at AC  arcing time  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  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	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A 2 A
at AC  arcing time  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  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	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A 2 A 1 A
at AC arcing time 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  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	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A 2 A 1 A
at AC arcing time 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  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	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A 2 A 1 A  10 A  6 A
at AC arcing time 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  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 60 V rated value  at 60 V rated value  at 60 V rated value  at 60 V rated value  at 60 V rated value  at 60 V rated value  at 60 V rated value  at 60 V rated value	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A  2 A  1 A  10 A  6 A  6 A
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  3 A
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul> </li> </ul>	10 10 ms Standard A1 - A2  1  1  10 A  10 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  3 A  2 A
at AC arcing time 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  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 at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value	10 10 ms Standard A1 - A2  1  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
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	10 10 ms Standard A1 - A2  1  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
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13</li> </ul>	10 10 ms Standard A1 - A2  1  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
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul> </li> </ul>	10 10 ms Standard A1 - A2  1  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  10 A
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> </ul> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul> </li> <li>at 24 V rated value</li> <li>at 24 V rated value</li>	10 10 ms Standard A1 - A2  1 1 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
arcing time 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  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 48 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 24 V rated value at 25 V rated value at 27 V rated value at 28 V rated value at 29 V rated value at 20 V rated value at 48 V rated value at 600 V rated value at 48 V rated value at 48 V rated value at 48 V rated value at 60 V rated value	10 10 ms Standard A1 - A2  1 1 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
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>at 24 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 48 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>at 600 V rated value</li>	10 10 ms Standard A1 - A2  1  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
<ul> <li>at AC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> </ul> </li> </ul>	10 10 ms Standard A1 - A2  1 1 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

contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	- roany stateming per 100 million (17 v, 1 mz)
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	21 A
at 600 V rated value     at 600 V rated value	22 A
yielded mechanical performance [hp]	227
• for single-phase AC motor	2 hn
— at 110/120 V rated value — at 230 V rated value	2 hp
	3 hp
• for 3-phase AC motor	E hn
— 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	0.1
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
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
>1	kA)
• 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	
<ul><li>with side-by-side mounting</li></ul>	
— 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	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	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)
<ul> <li>finely stranded with core end processing</li> </ul>	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	
• solid	1 10 mm²

• stranded	1 10 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	1 10 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	16 8
<ul> <li>for auxiliary contacts</li> </ul>	20 14
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	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	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	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



ccc







<u>KC</u>



EMV Test Certificates Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping other







Confirmation

Miscellaneous

Confirmation

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=3RT2026-1AU20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AU20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AU20

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

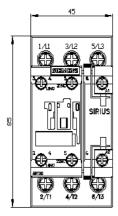
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AU20&lang=en

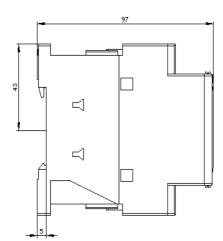
Characteristic: Tripping characteristics, I²t, Let-through current

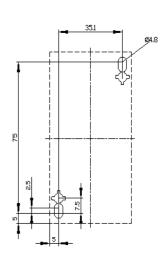
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AU20/char

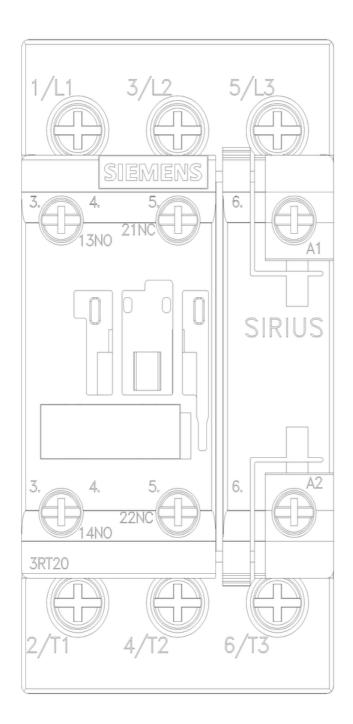
Further characteristics (e.g. electrical endurance, switching frequency)

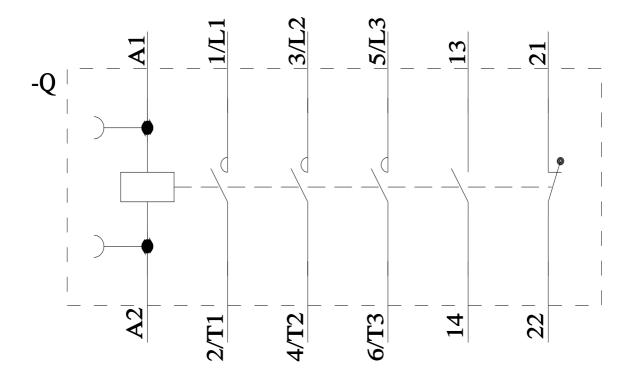
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AU20&objecttype=14&gridview=view1











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