SIEMENS

Data sheet

3RT2026-1AL20



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 230 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	SO			
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			
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			
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 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 operation	72.4 kg
Global Warming Potential [CO2 eq] after end of life	-0.117 kg
Main circuit	5
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-3e rated value maximum 	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated 	40 A
value	
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °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 A
— 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	
— 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
— up to 500 V for current peak value n=20 rated value	20.2 A
— 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 up to 600 V for current peak value n=20 rated value 	13.5 A
— up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated	13 A 10 mm ²
value operational current for approx. 200000 operating cycles at	
AC-4	0.4
at 400 V rated value	9 A 0 A
• at 690 V rated value	9 A
operational current • at 1 current path at DC-1	
• at 1 current path at DC-1 — at 24 V rated value	35 A
— at 24 V rated value — at 60 V rated value	35 A 20 A
— at 100 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					
— at 24 V rated value	20 A				
— at 60 V rated value	20 A 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	0.00 / 1				
— 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	3A				
— at 440 V rated value	0.27 A				
	0.16 A				
 — at 600 V rated value with 3 current paths in series at DC-3 at DC-5 	0.10 A				
with 3 current paths in series at DC-3 at DC-5 at 24 V rated value	25.4				
— 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	4 4 1001				
at 400 V rated value	4.4 kW				
at 690 V rated value	7.7 kW				
operating apparent power at AC-6a	0.10/4				
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	17.4 kVA				
up to 690 V for current peak value n=20 rated value	15.4 kVA				
operating apparent power at AC-6a	5 2 IA/A				
up to 230 V for current peak value n=30 rated value	5.3 kVA				
up to 400 V for current peak value n=30 rated value	9.3 kVA				
• up to 500 V for current peak value n=30 rated value	11.6 kVA				
• up to 690 V for current peak value n=30 rated value	15.5 kVA				
short-time withstand current in cold operating state up to 40 °C					
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	300 A; Use minimum cross-section acc. to AC-1 rated value				
 Innied to 5 s switching at zero current maximum Iimited to 10 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value				
 Initial to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 					
	144 A; Use minimum cross-section acc. to AC-1 rated value				
-	118 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				
Iimited to 60 s switching at zero current maximum no-load switching frequency					
 limited to 60 s switching at zero current maximum no-load switching frequency at AC 	118 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h				
Iimited to 60 s switching at zero current maximum no-load switching frequency					

• 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 60 Hz rated value	230 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					
• at AC	4 16 ms				
arcing time	10 10 ms				
control version of the switch operating mechanism	Standard A1 - A2				
Auxiliary circuit					
number of NC contacts for auxiliary contacts instantaneous	1				
number of NC contacts for auxiliary contacts instantaneous contact	1				
	1 1				
contact number of NO contacts for auxiliary contacts instantaneous					
contact number of NO contacts for auxiliary contacts instantaneous contact	1				
contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	1				
contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A				
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				
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				
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				
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				
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	1 10 A 10 A 3 A 2 A 1 A				
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 24 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A				
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 24 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				
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 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 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				
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 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 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				
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 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 22 V rated value • at 24 V rated value • at 25 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 3 A 2 A				
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 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 220 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 3 A 2 A 1 A				
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 24 V rated value • at 24 V rated value • at 250 V rated value • at 24 V rated value • at 25 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value • at 60 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				
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 24 V rated value • at 48 V rated value • at 40 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 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 1 A 1 A 1 A 1 A				
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 24 V rated value • at 48 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 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 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 10 A				
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 40 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 10 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 • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 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				
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 600 V rated value • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 24 V rated value • at 20 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 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 6 A 3 A 2 A 1 A 10 A				
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 690 V rated value • at 24 V rated value • at 24 V rated value • at 250 V rated value • at 24 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 48 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 400 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 10 A				
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 400 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 25 V rated value • at 110 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 600 V rated value • at 24 V rated value • at 220 V rated value • at 125 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 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1				
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 24 V rated value • at 25 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 210 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 20 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 6 A 3 A 2 A 1 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 1 A 0 15 A 10 A 0.15 A				
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 24 V rated value • at 25 V rated value • at 10 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 48 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value <td>1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1</td>	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1				
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 400 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value • at 600 V rated value <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 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1</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 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1				
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 24 V rated value • at 25 V rated value • at 10 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 48 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value <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 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1</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 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1				

- at COO V rated value	22.4				
• at 600 V rated value	22 A				
yielded mechanical performance [hp]					
for single-phase AC motor	0 hz				
— at 110/120 V rated value	2 hp				
— at 230 V rated value	3 hp				
for 3-phase AC motor at 200/200 V rated value	5 hz				
- 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	-0.400 A (000 M 400 HA) -M. 50 A (000 M 400 HA) D000.400 A (445 M 00				
 — 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				
- Jr	backward by +/- 22.5° on vertical mounting surface				
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
side-by-side mounting	Yes				
height	85 mm				
width	45 mm				
depth	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	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 mm ⁻), 2x (2.5 10 mm ⁻) 2x (1 2.5 mm ²), 2x (2.5 10 mm ²)				
— finely stranded with core end processing	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²				
for AWG cables for main contacts	2x (16 12), 2x (14 8)				
connectable conductor cross-section for main contacts					
solid	1 10 mm²				
solid stranded	1 10 mm ²				
 stranged finely stranded with core end processing 	1 10 mm ²				
connectable conductor cross-section for auxiliary contacts	$0.5 - 2.5 \text{ mm}^2$				
solid or stranded finally stranded with core and processing	0.5 2.5 mm ²				
 finely stranded with core end processing 	0.5 2.5 mm ²				

type of connectable cond	ductor cross-sectio	ns				
 for auxiliary contacts 		115				
— solid or strande			2v (0 5	2.5 mm^{2}		
	with core end proce	esina		5 1.5 mm²), 2x (0.75 5 1.5 mm²), 2x (0.75		
2	•	.33119		16), 2x (18 14)	2.5 mm)	
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross			27 (20	10), 2X (10 14)		
section						
 for main contacts 			16 8	}		
 for auxiliary contacts 	3		20 1	4		
afety related data	-					
proportion of dangerous	failures					
with low demand rate		1920	40 %			
 with high demand ra 	÷		73 %			
failure rate [FIT] with low			100 FI	т		
31920 B10 value with high dema	and rate according	to SN 31920	450 00	00		
product function mirror of			Yes			
suitability for use safety-rel			Yes			
IEC 61508			. 50			
T1 value for proof test int	terval or service life	e according to	20 a			
IEC 61508			20 a			
Electrical Safety						
protection class IP on the	e front according to	DIEC 60529	IP20			
touch protection on the f	ront according to I	EC 60529	finger-	safe, for vertical contact f	rom the front	
Approvals Certificates						
	EG-Konf.	UK CA	Ì			U
General Product Approva	al	EMV		Test Certificates		Marine / Shipping
<u>KC</u>	EHC		•	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS
Marine / Shipping						other
BUREAU VERITAS		Lloyds Register urs		RINA	RMRS RMRS	<u>Miscellaneous</u>
other		Environment				
Confirmation	<u>Confirmation</u>	EPD Typ II/III (w cylce assessm				

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2026-1AL20 Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AL20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AL20

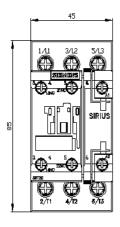
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

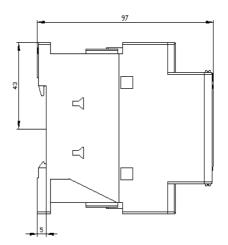
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT20 26-1AL20&lang=en

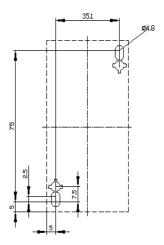
Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AL20/char

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

 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AL20&objecttype=14&gridview=view1











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