## **SIEMENS**

Data sheet 3RT2026-1AB04

CONTACTOR, AC-3, 11KW/400V, 2NO+2NC, AC 24V 50HZ, 3-POLE, SZ SO SCREW TERMINAL REMOVABLE AUX. SWITCH



product brandname	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	No
Insulation voltage	
• rated value	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>between coil and main contacts acc. to EN</li> </ul>	400 V
60947-1	
Protection class IP	
• on the front	IP20
• of the terminal	IP20
Shock resistance at rectangular impulse	
● at AC	8,3g / 5 ms, 5,3g / 10 ms

● at AC  Mechanical service life (switching cycles)  ● of contactor typical  ● of the contactor with added electronics- compatible auxiliary switch block typical  ● of the contactor with added auxiliary switch block typical  Membient conditions  Ambient temperature  ● during operation  ● during storage  Main circuit  Number of poles for main current circuit  10 000 000  10 000 000  10 000 000  10 000 00	Shock resistance with sine pulse	
Mechanical service life (switching cycles)  of contactor typical  of the contactor with added electronics- compatible auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  winblent temperature  of during operation  of during storage  of the contacts of main current drout  Number of poles for main current drout  Number of PNO contacts for main contacts  Operating outleage  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for main contacts  of the Contacts of the Contacts for the Contacts for main contacts  of the Contacts for the Contacts	·	13,5g / 5 ms, 8,3g / 10 ms
• of the contactor typical  • of the contactor with added electronics-compatible auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  **Total Conditions**  **Ambient temperature**  • during operation -25 +60 °C  • during storage -55 +80 °C  **Alin circuit**  **Number of Poles for main current circuit 3  **Number of NO contacts for main current circuit 3  **Number of NO contacts for main contacts 3  **Operating outnet**  • at AC-3 rated value maximum 690 V  —at ambient temperature 40 °C rated value 40 A  • at AC-1	Mechanical service life (switching cycles)	
of the contactor with added electronics-compatible auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical  whibent conditions  Ambient temperature     during operation     ouring storage     ouring storage     ouring storage  Alain circuit  Number of NO contacts for main current circuit  Number of NO contacts for main contacts  Operating voltage     out AC-3 rated value maximum  Operating current     at AC-1 at 400 V     out ambient temperature 40 °C rated value     out of 80 V at ambient temperature 40 °C rated value     out of 80 V at ambient temperature 40 °C rated value     out of 80 V at ambient temperature 60 °C rated value     out of 80 V at ambient temperature 60 °C rated value     out of 80 V at ambient temperature 60 °C rated value     out of 80 V at ambient temperature 80 °C rated value     out of 80 V at ambient temperature 80 °C rated value     out of 80 V at ambient temperature 80 °C rated value     out of 80 V rated value     out		10 000 000
of the contactor with added auxillary switch block typical  wholent conditions  Ambient temperature     during operation	of the contactor with added electronics-	5 000 000
Ambient temperature  • during operation • during storage  -55 +60 °C  -55 +80 °C  Alain circuit  Number of poles for main current circuit  Number of NC contacts for main contacts  3  Operating voltage • at AC-3 rated value maximum  690 V  Operating current  • at AC-1 at 400 V  — at ambient temperature 40 °C rated value  • at AC-1  — up to 690 V at ambient temperature 40 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  — at 400 V rated value  • at AC-2 at 400 V rated value  • at AC-3  — at 400 V rated value  — at 500 V rated value  — at 690 V vated value  — at 690 V rated value  — at 600 °C minimum permissible  • at 40 °C minimum permissible  • at 60 °C minimum permissible  • at 40 °C minimum permissible  • at 60 °C minimum permissible  • at 40 °C minimum permissibl	compatible auxiliary switch block typical	
Ambient temperature  • during operation • during storage  Anioricuit  Number of poles for main current circuit  Number of NO contacts for main contacts  Operating voltage • at AC-3 rated value maximum  Operating current  • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 24 V rated value	•	10 000 000
Amblent temperature  • during operation • during storage  -25 +60 °C  -55 +80 °C   Asin 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 V  Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V valed value — at 690 V valed value — at 690 V rated value  - at 60 °C minimum permissible • at 40 °C rated value  9 A  Operating current for approx. 200000 operating cycles at AC-4 • at 600 V rated value • at 1 current path at DC-1 — at 24 V rated value  • at 1 current path at DC-1 — at 24 V rated value  • at 1 current path at DC-1 — at 24 V rated value  • at 1 current path at DC-1 — at 24 V rated value  • at 60 °C rated value  • at 1 current path at DC-1 — at 24 V rated value  • at 24 V rated value	block typical	
during operation     during storage     during storage     dain 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 V  Operating current     at AC-1 at 400 V     at ambient temperature 40 °C rated value     at AC-1     up to 690 V at ambient temperature 40 °C rated value     aut of a value     up to 690 V at ambient temperature 40 °C rated value     up to 690 V at ambient temperature 60 °C rated value     at AC-2     at 400 V rated value     at AC-3     at 400 V rated value     at AC-3     at 400 V rated value     at 500 V rated value     at 690 V rated value     at 690 V rated value     at 60 °C minimum permissible     at 40 °C rated value     at 60 °C minimum permissible     at 40 °C rated value     at 60 °C minimum permissible     at 40 °C rated value     at 60 °C minimum permissible     at 40 °C minimum permissible     at 40 °C rated value     at 60 °C minimum permissible	Ambient conditions	
• during storage • during storage • during storage • at AC-3 rated value maximum • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V rated value — at AC-2 at 400 V rated value 18 A rated value — at 500 V rated value — at 690 V rated value 19 A rated value  Onnectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible 10 mm²  Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A  Operating current • at 1 current path at DC-1 — at 24 V rated value  • at 6 vrated value  • at 1 current path at DC-1 — at 24 V rated value  • at 6 vrated value  • at 1 current path at DC-1 — at 24 V rated value	Ambient temperature	
Alain 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 V  Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value	<ul><li>during operation</li></ul>	-25 +60 °C
Number of poles for main current circuit  Number of NO contacts for main contacts  Operating voltage  • at AC-3 rated value maximum  Operating current  • at AC-1 at 400 V  — at ambient temperature 40 °C rated value  • at AC-1  — up to 690 V at ambient temperature 40 °C  rated value  — up to 690 V at ambient temperature 60 °C  rated value  • at AC-2  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  — at 690 V rated value  13 A  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible  • at 40 °C minimum permissible  • at 40 °C minimum permissible  • at 40 °C rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • at 7 current path at DC-1  — at 24 V rated value  35 A	during storage	-55 +80 °C
Number of NO contacts for main contacts  Operating voltage  • at AC-3 rated value maximum  Operating current  • at AC-1 at 400 V  — at ambient temperature 40 °C rated value  • at AC-1  — up to 690 V at ambient temperature 40 °C  rated value  — up to 690 V at ambient temperature 60 °C  rated value  • at AC-2 at 400 V rated value  • at AC-3  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  — at 690 V rated value  • at 60 °C minimum permissible  • at 40 °C minimum permissible  • at 40 °C minimum permissible  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • at 400	Main circuit	
Operating voltage  • at AC-3 rated value maximum  Operating current  • at AC-1 at 400 V  — at ambient temperature 40 °C rated value  • at AC-1  — up to 690 V at ambient temperature 40 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  • at AC-2 at 400 V rated value  • at AC-3  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  — at 690 V rated value  — at 60 °C minimum permissible  • at 40 °C minimum permissible  • at 40 °C minimum permissible  • at 400 V rated value  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  9 A  Operating current  • at 1 current path at DC-1  — at 24 V rated value  35 A		3
at AC-3 rated value maximum  Operating current  at AC-1 at 400 V  — at ambient temperature 40 °C rated value  at AC-1  — up to 690 V at ambient temperature 40 °C  rated value  — up to 690 V at ambient temperature 60 °C  rated value  — up to 690 V at ambient temperature 60 °C  rated value  at AC-2 at 400 V rated value  at AC-3  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  18 A  — at 690 V rated value  13 A  Connectable conductor cross-section in main circuit at AC-1  at AC-3  at 40 °C minimum permissible  10 mm²  at 40 °C minimum permissible  10 mm²  at 40 °C minimum permissible  at 40 °C minimum permissible  9 A  Operating current for approx. 200000 operating cycles at AC-4  at 400 V rated value  9 A  Operating current  at 1 current path at DC-1  — at 24 V rated value  35 A	Number of NO contacts for main contacts	3
Operating current  • at AC-1 at 400 V  — at ambient temperature 40 °C rated value  • at AC-1  — up to 690 V at ambient temperature 40 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  • at AC-2 at 400 V rated value  • at AC-3  — at 400 V rated value  — at 690 V rated value  18 A  — at 690 V rated value  19 A  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm²  • at 40 °C minimum permissible  Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value  9 A  Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A	Operating voltage	
at AC-1 at 400 V — at ambient temperature 40 °C rated value  at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value  at AC-2 at 400 V rated value  at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value  13 A  Connectable conductor cross-section in main circuit at AC-1  at 60 °C minimum permissible at 40 °C minimum permissible  10 mm²  or at 400 V rated value  9 A  at 400 V rated value  9 A  or at 690 V rated value  9 A  or at 690 V rated value  9 A  or at 400 V rated value  9 A  or at 400 V rated value  9 A  Operating current  at 1 current path at DC-1 — at 24 V rated value  35 A	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at ambient temperature 40 °C rated value</li> <li>at AC-1</li> <li>— up to 690 V at ambient temperature 40 °C rated value</li> <li>— up to 690 V at ambient temperature 60 °C rated value</li> <li>— up to 690 V at ambient temperature 60 °C rated value</li> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> <li>— at 690 V rated value</li> <li>13 A</li> </ul> Connectable conductor cross-section in main circuit at AC-1 <ul> <li>at 60 °C minimum permissible</li> <li>at 40 °C minimum permissible</li> <li>at 400 V rated value</li> <li>9 A</li> <li>at 600 V rated value</li> <li>9 A</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 1 current path at DC-1</li> <li>— at 24 V rated value</li> <li>35 A</li> </ul>	Operating current	
at AC-1  — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value  • at AC-2 at 400 V rated value  • at AC-3  — at 400 V rated value  25 A  — at 500 V rated value  18 A  — at 690 V rated value  13 A   Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible  10 mm²  • at 40 °C minimum permissible  10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  9 A  Operating current  • at 1 current path at DC-1  — at 24 V rated value  35 A	● at AC-1 at 400 V	
- up to 690 V at ambient temperature 40 °C rated value  - up to 690 V at ambient temperature 60 °C rated value  • at AC-2 at 400 V rated value  • at AC-3  - at 400 V rated value  25 A  - at 500 V rated value  18 A  - at 690 V rated value  13 A   Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible  • at 40 °C minimum permissible  10 mm²  • at 40 °C minimum permissible  10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  9 A  • at 690 V rated value  9 A  • at 690 V rated value  9 A  Operating current  • at 1 current path at DC-1  - at 24 V rated value  35 A	— at ambient temperature 40 °C rated value	40 A
rated value	• at AC-1	
— up to 690 V at ambient temperature 60 °C rated value  • at AC-2 at 400 V rated value  • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm²  • at 400 V rated value  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value 9 A  Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A	— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$	40 A
rated value  at AC-2 at 400 V rated value  at AC-3  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  18 A  — at 60 °C minimum permissible  at 40 °C minimum permissible  Operating current for approx. 200000 operating cycles at AC-4  at 400 V rated value  9 A  Operating current  at 1 current path at DC-1  — at 24 V rated value  35 A		
at AC-3  — at 400 V rated value — at 500 V rated value — at 690 V rated value  18 A — at 690 V rated value  13 A  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value 9 A  Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A		35 A
- at 400 V rated value - at 500 V rated value 18 A - at 690 V rated value 13 A  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value 9 A  Operating current • at 1 current path at DC-1 - at 24 V rated value 35 A	• at AC-2 at 400 V rated value	25 A
- at 500 V rated value  - at 690 V rated value  13 A  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible  • at 40 °C minimum permissible  10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • at 690 V rated value  • at 1 current path at DC-1  — at 24 V rated value  35 A	● at AC-3	
— at 690 V rated value  Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible  • at 40 °C minimum permissible  10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • at 690 V rated value  • at 1 current path at DC-1  — at 24 V rated value  35 A	— at 400 V rated value	25 A
Connectable conductor cross-section in main circuit at AC-1  • at 60 °C minimum permissible 10 mm²  • at 40 °C minimum permissible 10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value 9 A  • at 690 V rated value 9 A  Operating current  • at 1 current path at DC-1  — at 24 V rated value 35 A	— at 500 V rated value	18 A
at AC-1  • at 60 °C minimum permissible  • at 40 °C minimum permissible  10 mm²  Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • at 1 current path at DC-1  — at 24 V rated value  35 A	— at 690 V rated value	13 A
<ul> <li>at 60 °C minimum permissible</li> <li>at 40 °C minimum permissible</li> <li>Operating current for approx. 200000 operating cycles at AC-4         <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>Operating current         <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> </ul> </li> <li>35 A</li> </ul>		
at 40 °C minimum permissible  Operating current for approx. 200000 operating cycles at AC-4      at 400 V rated value     at 690 V rated value  Operating current      at 1 current path at DC-1      — at 24 V rated value  10 mm²  9 A  9 A  9 A  9 A  9 A		10 mm²
Operating current for approx. 200000 operating cycles at AC-4  • at 400 V rated value 9 A  • at 690 V rated value 9 A  Operating current  • at 1 current path at DC-1  — at 24 V rated value 35 A	•	
cycles at AC-4  • at 400 V rated value 9 A  • at 690 V rated value 9 A  Operating current  • at 1 current path at DC-1  — at 24 V rated value 35 A		
<ul> <li>at 690 V rated value</li> <li>9 A</li> <li>Operating current <ul> <li>at 1 current path at DC-1</li> <li>— at 24 V rated value</li> <li>35 A</li> </ul> </li> </ul>		
Operating current  • at 1 current path at DC-1  — at 24 V rated value  35 A	• at 400 V rated value	9 A
at 1 current path at DC-1  — at 24 V rated value  35 A	• at 690 V rated value	9 A
— at 24 V rated value 35 A	Operating current	
	• at 1 current path at DC-1	
— at 110 V rated value 4.5 A	— at 24 V rated value	35 A
	— at 110 V rated value	4.5 A

— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 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
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
Operating current	
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
Operating power	
• at AC-1	
— at 230 V rated value	13.3 kW
— at 230 V at 60 °C rated value	13.3 kW
— at 400 V rated value	23 kW
— at 400 V at 60 °C rated value	23 kW
— at 690 V rated value	40 kW

— at 690 V at 60 °C rated value	40 kW
• 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 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
Thermal short-time current limited to 10 s	200 A
Power loss [W] at AC-3 at 400 V for rated value of	1.6 W
the operating current per conductor	
No-load switching frequency	
• at AC	5 000 1/h
• at DC	1 500 1/h
Operating frequency	
● at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
● at 50 Hz rated value	24 V
Operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	77 V·A

Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
at 50 Hz rated value	24 V
Operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	77 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.82
Apparent holding power of magnet coil at AC	
● at 50 Hz	9.8 V·A
Inductive power factor with the holding power of the coil	
● at 50 Hz	0.25
Closing delay	
• at AC	8 40 ms
Opening delay	
• at AC	4 16 ms
Arcing time	10 10 ms

# 

Auxiliary circuit	
Number of NC contacts	
• for auxiliary contacts	
<ul><li>instantaneous contact</li></ul>	2
Number of NO contacts	
• for auxiliary contacts	
<ul><li>instantaneous contact</li></ul>	2
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
● at 230 V rated value	6 A
● at 400 V rated value	3 A
● at 500 V rated value	2 A
● at 690 V rated value	1 A
Operating current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
● at 110 V rated value	3 A
● at 125 V rated value	2 A
• at 220 V rated value	1 A
at 600 V rated value	0.15 A
Operating current at DC-13	
at 24 V rated value	6 A
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 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)

Contact tollability of daxillary contacto	ridaity Switching por 100 million (17 V; 1 mill)
UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	21 A
• at 600 V rated value	22 A
Yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	2 hp

— at 230 V rated value	3 hp
<ul> <li>for three-phase AC motor</li> </ul>	
— 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 / Q600

### Short-circuit protection

#### Design of the fuse link

- for short-circuit protection of the main circuit
  - with type of coordination 1 required
  - with type of assignment 2 required
- for short-circuit protection of the auxiliary switch required

gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 100 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 35 A

fuse gG: 10 A

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
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
Side-by-side mounting	Yes
Height	85 mm
Width	45 mm
Depth	141 mm
Required spacing	
<ul><li>for grounded parts</li></ul>	
— at the side	6 mm
• for live parts	
— at the side	6 mm

Connections/Terminals	
Type of electrical connection	
• for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>single or multi-stranded</li> </ul>	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
<ul> <li>at AWG conductors for main contacts</li> </ul>	2x (16 12), 2x (14 8)
Type of connectable conductor cross-sections	
for auxiliary contacts	

- single or multi-stranded

Certificates/approvals

— finely stranded with core end processing

• at AWG conductors for auxiliary contacts

2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14)

Safety related data	
B10 value	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	1 000 000
Proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	73 %
Failure rate [FIT]	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	100 FIT
Product function	
<ul> <li>Mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation acc. to IEC 60947-5-</li> <li>1</li> </ul>	No
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Protection against electrical shock	finger-safe

#### **General Product Approval**







KC





**EMC** 

Functional
Safety/Safety
•
of Machinery

Declaration of Conformity

Test Certificates

Shipping Approval

Type Examination



Type Test
Certificates/Test
Report

Special Test Certificate





other

#### **Shipping Approval**







LRS







Environmental Confirmations

#### other

Confirmation



#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-1AB04

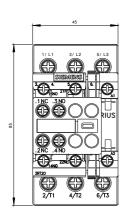
Cax online generator

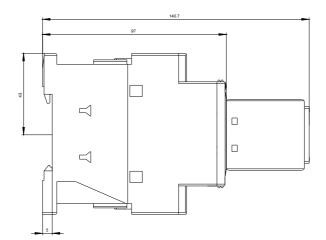
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AB04

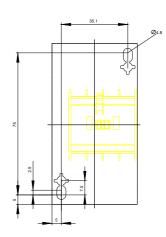
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

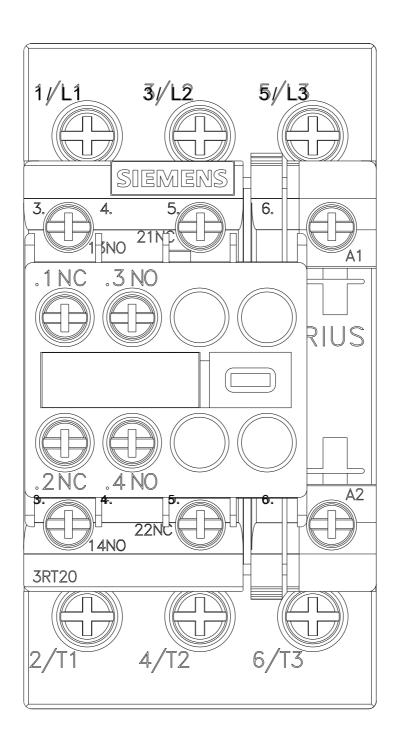
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AB04

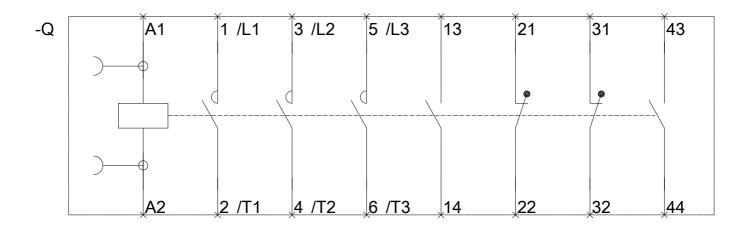
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AB04&lang=en











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