# Data sheet

CONTACTOR, AC-3, 11KW/400V, 2NO+2NC, 24 V DC, W. INSERTED VARISTOR 3-POLE, SIZE S0 SCREW CONNECTION AUX. SWITCH PERMANENTLY MOUNTED



Figure similar

product brand name	SIRIUS
Product designation	3RT2 contactor

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
Degree of pollution	3
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 DC	10g / 5 ms, 7,5g / 10 ms		
• with sine pulse			
— at DC	15g / 5 ms, 10g / 10 ms		
Mechanical service life (switching cycles)			
of contactor typical	10 000 000		
<ul> <li>of the contactor with added electronics-</li> </ul>	5 000 000		
compatible auxiliary switch block typical			
of the contactor with added auxiliary switch	10 000 000		
block typical			
Ambient conditions:			
Installation altitude at height above sea level	2 000 m		
maximum			
Ambient temperature			
<ul><li>during operation</li></ul>	-25 +60 °C		
during storage	-55 +80 °C		
Main circuit:			
Number of NO contacts for main contacts	3		
Number of NC contacts for main contacts	0		
Operating voltage			
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V		
Operating current			
● at AC-1 at 400 V			
— at ambient temperature 40 °C rated value	40 A		
● at AC-1 up to 690 V			
— at ambient temperature 40 °C rated value	40 A		
— at ambient temperature 60 °C rated value	35 A		
• at AC-2 at 400 V rated value	25 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		
Connectable conductor cross-section in main circuit			
at AC-1			
• at 60 °C minimum permissible	10 mm <sup>2</sup>		
• 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 110 V rated value	4.5 A
• with 2 current paths in series at DC-1  - at 24 V rated value  - at 10 V rated value  - at 220 V rated value  - at 220 V rated value  - at 600 V rated value  - at 110 V rated value  - at 220 V rated value  - at 220 V rated value  - at 440 V rated value  - at 240 V rated value  - at 440 V rated value  - at 600 V rated value  - at 600 V rated value  - at 1 current path at DC-3 at DC-5  - at 24 V rated value  - at 220 V rated value  - at 600 V rated value  - at 600 V rated value  - at 220 V rated value  - at 440 V rated value  - at 600 V rated value  - at 220 V rated value  - at 600 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 230 V rated value  -	— at 220 V rated value	1 A
with 2 current paths in series at DC-1	— at 440 V rated value	0.4 A
at 24 V rated value	— at 600 V rated value	0.25 A
- at 110 V rated value	<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
- at 220 V rated value	— at 24 V rated value	35 A
at 440 V rated value 0.8 A  ■ with 3 current paths in series at DC-1  —- 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 35 A  —- at 600 V rated value 1.4 A  —- at 600 V rated value 2.9 A  —- at 600 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 2.5 A  —- at 110 V rated value 1 A  —- at 220 V rated value 1 A  —- at 600 V rated value 1 A  —- at 600 V rated value 0.09 A  —- at 600 V rated value 15 A  —- at 220 V rated value 3.5 A  —- at 220 V rated value 35 A  —- at 220 V rated value 35 A  —- at 24 V rated value 0.66 A  ■- with 3 current paths in series at DC-3 at DC-5  —- at 110 V rated value 35 A  —- at 24 V rated value 10 A  —- at 24 V rated value 35 A  —- at 24 V rated value 10 A  —- at 250 V rated value 13 A KW  —- at 230 V rated value 13.3 KW  —- at 230 V rated value 13.3 KW  —- at 230 V rated value 13.3 KW  —- at 400 V rated value 23 KW	— at 110 V rated value	35 A
<ul> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-1</li> <li>— at 24 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 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 110 V rated value</li> <li>— at 1220 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 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 110 V rated value</li> <li>— with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 110 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 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 230 V rated value</li> <li>— at 400 V rat</li></ul>	— at 220 V rated value	5 A
• with 3 current paths in series at DC-1 — at 24 V rated value 35 A — at 110 V rated value 35 A — at 220 V rated value 2.9 A — at 440 V rated value 2.9 A — at 440 V rated value 1.4 A  Coperating current  • at 1 current path at DC-3 at DC-5 — at 24 V rated value 2.5 A — at 220 V rated value 2.5 A — at 220 V rated value 3.00 A — at 440 V rated value 3.00 A — at 440 V rated value 3.00 A — at 440 V rated value 3.00 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 3.A — at 220 V rated value 3.A — at 220 V rated value 3.A — at 220 V rated value 3.A — at 24 V rated value 3.A — at 24 V rated value 3.A — at 440 V rated value 3.A — at 440 V rated value 3.5 A — at 410 V rated value 3.5 A — at 440 V rated value 3.5 A — at 220 V rated value 3.5 A — at 440 V rated value 3.5 A — at 420 V rated value 3.5 A — at 430 V rated value 3.5 A — at 430 V rated value 3.5 A — at 430 V rated value 3.5 A — at 230 V rated value 3.5 A — at 400 V rated value 3.5 A — at 400 V rated value 4.0 V rat	— at 440 V rated value	1 A
- at 24 V rated value 35 A - at 110 V rated value 35 A - at 220 V rated value 2.9 A - at 440 V rated value 1.4 A  Operating current  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 440 V rated value 2.5 A - at 440 V rated value 2.5 A - at 220 V rated value 1.4 - 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 110 V rated value 3.5 A - at 220 V rated value 0.06 A  • with 2 current paths in series at DC-3 at DC-5 - at 110 V rated value 3.5 A - at 24 V rated value 3.5 A - at 24 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 110 V rated value 0.16 A  • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 0.6 A  • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 0.6 A  • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 10 A - at 220 V rated value 10 A - at 24 V rated value 10 A - at 24 V rated value 10 A - at 25 V rated value 10 A - at 27 V rated value 10 A - at 28 V rated value 10 A - at	— at 600 V rated value	0.8 A
	• with 3 current paths in series at DC-1	
at 220 V rated value 2.9 A at 440 V rated value 1.4 A  Operating current  ■ at 1 current path at DC-3 at DC-5 at 24 V rated value 2.5 A at 440 V rated value 2.5 A at 400 V rated value 2.5 A at 400 V rated value 0.09 A at 600 V rated value 0.09 A at 110 V rated value 0.06 A  ■ with 2 current paths in series at DC-3 at DC-5 at 110 V rated value 3 A at 220 V rated value 35 A at 220 V rated value 35 A at 440 V rated value 35 A at 420 V rated value 35 A at 440 V rated value 35 A at 430 V rated value 35 A at 440 V rated value 35 A	— at 24 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 2.5 A — at 110 V rated value 1 A — at 440 V rated value 0.09 A — at 600 V rated value 0.06 A  ■ with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 15 A — at 220 V rated value 3 A — at 220 V rated value 35 A — at 440 V rated value 35 A — at 220 V rated value 35 A — at 24 V rated value 35 A — at 24 V rated value 35 A — at 440 V rated value 35 A — at 330 V rated value 33 kW — at 230 V rated value 13.3 kW — at 230 V rated value 13.3 kW — at 400 V rated value 23 kW	— at 110 V rated value	35 A
	— at 220 V rated value	35 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         • with 2 current paths in series at DC-3 at DC-5         — at 110 V rated value       15 A         — at 220 V rated value       3 A         — at 24 V rated value       0.27 A         — at 440 V rated value       0.16 A         • with 3 current paths in series at DC-3 at DC-5         — at 110 V rated value       35 A         — at 220 V rated value       10 A         — at 220 V rated value       35 A         — at 440 V rated value       0.6 A         Operating power       • at AC-1         — at 230 V rated value       13.3 kW         — at 400 V rated value       23 kW	— at 440 V rated value	2.9 A
at 1 current path at DC-3 at DC-5  — at 24 V rated value 2.5 A  — at 110 V rated value 1 A  — at 440 V rated value 0.09 A  — at 600 V rated value 0.06 A   with 2 current paths in series at DC-3 at DC-5  — at 110 V rated value 15 A  — at 220 V rated value 3 A  — at 220 V rated value 35 A  — at 24 V rated value 35 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 110 V rated value 35 A  — at 440 V rated value 35 A  — at 220 V rated value 35 A  — at 440 V rated value 35 A  — at 220 V rated value 35 A  — at 24 V rated value 35 A  — at 20 V rated value 36 A  — at 20 V rated value 0.6 A  — at 600 V rated value 0.6 A  — at 600 V rated value 13.3 kW  — at 230 V rated value 13.3 kW  — at 230 V rated value 13.3 kW  — at 440 V rated value 23 kW	— at 600 V rated value	1.4 A
— at 24 V rated value — 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  • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 3 A — at 220 V rated value 3 5 A — at 24 V rated value 3 5 A — at 440 V rated value 0.16 A  • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 0.16 A  • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 35 A — at 220 V rated value 35 A — at 220 V rated value 35 A — at 24 V rated value 36 A — at 24 V rated value 37 A — at 24 V rated value 38 A — at 24 V rated value 39 A — at 24 V rated value 30 A — at 24 V rated value 31 A — at 230 V rated value 31 A — at 230 V rated value 33 A — at 230 V rated value 34 AC-1 — at 230 V rated value 35 A — at 440 V rated value 36 A  Operating power  • at AC-1 — at 230 V rated value 33 A  - at 440 V rated value 34 AC-1 — at 230 V rated value 35 A — at 440 V rated value 36 A  Operating power  • at AC-1 — at 230 V rated value 33 A  - at 440 V rated value 34 AC-1 — at 230 V rated value 35 A — at 440 V rated value 36 A  Operating power	Operating current	
	• at 1 current path at DC-3 at DC-5	
— at 220 V rated value 0.09 A — at 440 V rated value 0.06 A  • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 15 A — at 220 V rated value 35 A — at 24 V rated value 0.27 A — at 440 V rated value 0.16 A  • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 10.4 A — at 220 V rated value 0.16 A  • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 10 A — at 220 V rated value 10 A — at 24 V rated value 10 A — at 24 V rated value 0.6 A — at 440 V rated value 0.6 A  Operating power  • at AC-1 — at 230 V rated value 13.3 kW — at 230 V rated value 13.3 kW — at 400 V rated value 23 kW	— at 24 V rated value	20 A
at 440 V rated value 0.09 A at 600 V rated value 0.06 A  • with 2 current paths in series at DC-3 at DC-5 at 110 V rated value 15 A at 220 V rated value 35 A at 24 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 110 V rated value 35 A at 220 V rated value 10 A at 24 V rated value 35 A at 24 V rated value 0.6 A at 600 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 rated value 23 kW	— at 110 V rated value	2.5 A
<ul> <li>— at 600 V rated value</li> <li>● with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 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 230 V rated value</li> </ul>	— at 220 V rated value	1 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5         <ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>o.16 A</li> </ul> </li> <li>with 3 current paths in series at DC-3 at DC-5         <ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 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 AC-1</li> <li>at 230 V rated value</li> <li>at 3.3 kW</li> <li>at 230 V rated value</li> <li>at 3.3 kW</li> <li>at 400 V rated value</li> </ul> </li> </ul>	— at 440 V rated value	0.09 A
at 110 V rated value	— at 600 V rated value	0.06 A
- at 220 V rated value 35 A - at 24 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 110 V rated value 35 A - at 220 V rated value 10 A - at 220 V rated value 35 A - at 24 V rated value 35 A - at 440 V rated value 0.6 A - at 440 V rated value 0.6 A  Operating power  ■ at AC-1 - at 230 V rated value 13.3 kW - at 230 V rated value 23 kW	• with 2 current paths in series at DC-3 at DC-5	
<ul> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 330 V rated value</li> <li>— at 230 V rated value</li> <li>— at 400 V rated value</li> <li>23 kW</li> </ul>	— at 110 V rated value	15 A
<ul> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at AC-1</li> <li>— at 230 V rated value</li> <li>— at 230 V rated value</li> <li>— at 330 V rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> <li>— at 330 V at 60 °C rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> </ul>	— at 220 V rated value	3 A
<ul> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>Operating power</li> <li>● at AC-1</li> <li>— at 230 V rated value</li> <li>— at 230 V rated value</li> <li>— at 230 V rated value</li> <li>— at 400 V rated value</li> </ul>	— at 24 V rated value	35 A
with 3 current paths in series at DC-3 at DC-5     — at 110 V rated value	— at 440 V rated value	0.27 A
<ul> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>Operating power</li> <li>• at AC-1</li> <li>— at 230 V rated value</li> <li>— at 230 V rated value</li> <li>— at 230 V rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> </ul>	— at 600 V rated value	0.16 A
<ul> <li>— at 220 V rated value</li> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>Operating power</li> <li>• at AC-1</li> <li>— at 230 V rated value</li> <li>— at 230 V at 60 °C rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> </ul>	• with 3 current paths in series at DC-3 at DC-5	
<ul> <li>— at 24 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>Operating power</li> <li>• at AC-1</li> <li>— at 230 V rated value</li> <li>— at 230 V at 60 °C rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> <li>23 kW</li> </ul>	— at 110 V rated value	35 A
<ul> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>Operating power</li> <li>• at AC-1</li> <li>— at 230 V rated value</li> <li>— at 230 V at 60 °C rated value</li> <li>— at 400 V rated value</li> <li>23 kW</li> </ul>	— at 220 V rated value	10 A
— at 600 V rated value 0.6 A  Operating power	— at 24 V rated value	35 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 440 V rated value	0.6 A
<ul> <li>at AC-1         — at 230 V rated value         — at 230 V at 60 °C rated value         — at 400 V rated value         — 23 kW         — 23 kW         — 23 kW         — 24 kW         — 25 kW         — 26 kW         — 27 kW         — 28 kW        — 28 kW         — 28 kW         — 28 kW         — 28 kW</li></ul>	— at 600 V rated value	0.6 A
<ul> <li>at 230 V rated value</li> <li>at 230 V at 60 °C rated value</li> <li>at 400 V rated value</li> <li>23 kW</li> </ul>	Operating power	
<ul> <li>— at 230 V at 60 °C rated value</li> <li>— at 400 V rated value</li> <li>23 kW</li> </ul>	● at AC-1	
— at 400 V rated value 23 kW	— at 230 V rated value	13.3 kW
	— at 230 V at 60 °C rated value	13.3 kW
— at 400 V at 60 °C rated value 23 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 the operating current per conductor	1.6 W
No-load switching frequency	
• 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	DC
Control supply voltage at DC	
• rated value	24 V
Operating range factor control supply voltage rated value of magnet coil at DC	0.8 1.1
Design of the surge suppressor	with varistor
Closing power of magnet coil at DC	5.9 W
Holding power of magnet coil at DC	5.9 W
Closing delay	
• at DC	50 170 ms
Opening delay	
• at DC	15 17.5 ms
Arcing time	10 10 ms
Residual current of the electronics for control with signal <0>	
• at AC at 230 V maximum permissible	7 mA

# Auxiliary circuit:

# Number of NC contacts

• for auxiliary contacts

• at DC at 24 V maximum permissible

16 mA

— instantaneous contact	2
Number of NO contacts	
<ul> <li>for auxiliary contacts</li> </ul>	
— instantaneous contact	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)
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]	
• for single-phase AC motor	
— at 110/120 V rated value	2 hp
— at 230 V rated value	3 hp
• for three-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 / 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

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A

auxiliary switch fuse gL/gG: 10 A

nstallation/ mounting/ dimensions:	1/4000
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
Woulding type	according to DIN EN 50022
Side-by-side mounting	Yes
Height	85 mm
Width	45 mm
Depth	151 mm
Required spacing	
with side-by-side mounting	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 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 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	
<ul><li>— single or multi-stranded</li></ul>	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>at AWG conductors for auxiliary contacts</li> </ul>	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></ul>	No	
T1 value for proof test interval or service life acc. to IEC 61508	20 y	

# Certificates/approvals

## **General Product Approval**









**KTL** 



**EMC** 

Functional
Safety/Safety
of Machinery

**Declaration of** Conformity

**Test** Certificates

**Shipping Approval** 

Baumusterbescheini gung



spezielle Prüfbescheinigunge n







other

## **Shipping Approval**



GL









Umweltbestätigung

## other

Bestätigungen



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

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

Industry Mall (Online ordering system)

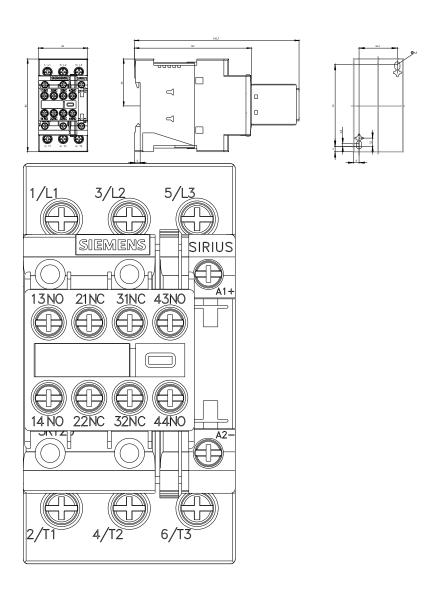
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT20261DB443MA0

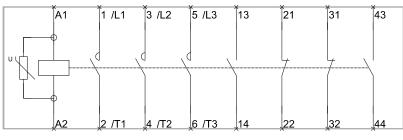
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20261DB443MA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT20261DB443MA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT20261DB443MA0&lang=en





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