## **SIEMENS**

Data sheet 3RT2325-1BG40



contactor AC-1, 35 A, 400 V / 40 °C, 4-pole, 125 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
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>	7.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
without load current share typical	5.9 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 the auxiliary and control circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
shock resistance at rectangular impulse	
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
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
Weight	0.655 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 %
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	293 kg

global varianting potential (CO2 co) during manufacturing   3.36 kg     global varianting potential (CO2 co) affer end of life   -0.956 kg     mumber of poles for main current circuit   4     number of poles for main current circuit   AC     vipe of voltage for main current circuit   AC     **AC   14 (40 0 V at ambient temperature 40 °C rated value   35 A     **at AC   14 (40 0 V at ambient temperature 40 °C rated value   36 A     **un to 900 V at ambient temperature 40 °C rated value   36 A     **at AC   34 (40 0 V at ambient temperature 40 °C rated value   36 A     **at AC   34 (40 0 V at ambient temperature 40 °C rated value   36 A     **at AC   34 (40 0 V rated value   15.5 A     **at AC   34 (40 0 V rated value   15.5 A     **at AC   34 (40 0 V rated value   15.5 A     **at AC   34 (40 0 V rated value   30 A     **at 1   30   30 A     **at 2   30   30 A     **at 3   30 A     **at 3   30 A     **at 4   30   30 A     **at 3   30 A     **at 4   30   30 A     **at 3   30 A     **at 4   30   30 A     **at 4   30   30 A     **at 3   30 A     **at 4   30   30 A     **at 4   30   30 A     **at 3   30 A     **at 4   30   30 A     **at 3   30 A     **at 4   30   30 A     **at 4   30   30 A     **at 5   30   30 A     **at 6   30   30 A     **at 6   30   30 A     **at 6		
Speak warming potential (COS eq) after end of life	global warming potential [CO2 eq] during manufacturing	3.36 kg
Manumber of No Contacts for main current circuit		
number of poles for main current circuit         4           wype of voltage for main current circuit         AC           oparational current         35 A           at AC-1 44 00 V at ambient temperature 40 "C rated value" — up to 800 V at ambient temperature 60 "C rated value" — up to 800 V at ambient temperature 60 "C rated value" — up to 800 V at ambient temperature 60 "C rated value" — up to 800 V at ambient temperature 60 "C rated value" — up to 800 V at ambient temperature 60 "C rated value" — 15.5 A         30 A           — at AC-3 at 400 V rated value         15.5 A         4.6 AC-3 AC-3 AC-3 AC-3 AC-3 AC-3 AC-3 AC-3	<u> </u>	-U.566 kg
ype of votage for main cornect circuit		
Spee for valiane for main current circuit	<u> </u>	
■ at AC-1 at 400 V at ambient temperature 40 °C rated  ■ at AC-1  ■ at AC-1  ■ at AC-3  ■ at AC-4		
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 40 °C rated value     — at AC-3     —— at 400 V rated value     at AC-3     —— at 400 V rated value     at AC-4 at 400 V rated value     at 50 V rated value     —— at 60 V rated value     —— at 60 V rated value     —— at 60 V rated value     —— at 140 V rated value     —— at 140 V rated value     —— at 24 V rated value     —— at 60 V rated	<u> </u>	AC
— up to 590 V at ambient temperature 40 °C rated value — up to 590 V at ambient temperature 60 °C rated value  • at AC-3  • at AC-0 V rated value • at AC-3  • at AC-0 V rated value  • at AC-4 at -0.00 V rated value  • at AC-4 at -0.00 V rated value  • at 1 current path at DC-1  • at 2 V rated value  • at 10 V rated value  • at 40 V rated value  • at 50 V rated value  • at 50 V rated value  • at 60 V rated value  • at 10 U rated value  • at 110 V rated value  • at 20 V rated value  • at 110 V rated value  • at 20 V rated value  • at 110 V rated value  • at 110 V rated value  • at 110 V rated value  • at 10 V rated value  • at 110 V rated value  • at 10 V rated value  • at 20 V rated value  • at 10 V rate	• at AC-1 at 400 V at ambient temperature 40 °C rated	35 A
up to 690 V at ambient temperature 60 °C rated value  • at AC-3  at 400 V rated value  • at AC-4 at 400 V rated value  • at AC-4 at 400 V rated value  • at AC-4 at 400 V rated value  • at 1 current path at DC-1  at 24 V rated value  at 60 V rated value  at 60 V rated value  at 60 V rated value  at 220 V rated value  at 220 V rated value  at 220 V rated value  at 240 V rated value	— up to 690 V at ambient temperature 40 °C rated	35 A
## A CA-d at 400 V rated value   15.5 A	— up to 690 V at ambient temperature 60 °C rated value	30 A
• at AC-4 at 400 V rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 100 V rated value — at 100 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 240 V rated value — at 250 V rated value — at 270 V rated value — at 440 V rated value — at 25 A — at 27 V rated value — at 440 V rated value — at 420 V rated value — at 440 V rated value — at 4		15 5 A
Manipulation   Mani		
poperational current		
• at 1 current path at DC-1  — at 24 V rated value — at 1110 V rated value — at 1110 V rated value — at 220 V rated value — at 440 V rated value • with 2 current path is series at DC-1 — at 24 V rated value — at 120 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 240 V rated value — at 250 V rated value — at 260 V rated value — at 260 V rated value — at 270 V rated value — at 280 V rated value — at 290 V rated value — at 290 V rated value — at 290 V rated value — at 220 V rated value — at 220 V rated value — at 300 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 300 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value		10 111111-
• at 1 current path at DC-1  — at 24 V rated value — at 1110 V rated value — at 1110 V rated value — at 220 V rated value — at 440 V rated value • with 2 current path is series at DC-1 — at 24 V rated value — at 120 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 240 V rated value — at 250 V rated value — at 260 V rated value — at 260 V rated value — at 270 V rated value — at 280 V rated value — at 290 V rated value — at 290 V rated value — at 290 V rated value — at 220 V rated value — at 220 V rated value — at 300 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 300 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value	operational current	
	at 1 current path at DC-1	
	— at 24 V rated value	30 A
at 220 V rated value	— at 60 V rated value	20 A
	— at 110 V rated value	4.5 A
• with 2 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 24 V rated value — at 24 V rated value — at 25 V rated value — at 26 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 20 V rated value — at 20 V rated value — at 40 V rated value — at 40 V rated value — at 20 V rated value — at 30 A — at 40 V rated value — at 20 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 40 V rated value — at 40 V rated value — at 220 V rated value — at 40 V rated value — at 20 V rated value — at 40 V rated value — at	— at 220 V rated value	1 A
at 24 V rated value 30 A at 80 V rated value 30 A at 110 V rated value 1A at 120 V rated value 1A at 220 V rated value 1A at 440 V rated value 30 A at 440 V rated value 30 A at 60 V rated value 30 A at 60 V rated value 30 A at 60 V rated value 30 A at 110 V rated value 30 A at 110 V rated value 30 A at 1220 V rated value 20 A at 220 V rated value 20 A at 440 V rated value 20 A at 120 V rated value 20 A at 220 V rated value 20 A at 220 V rated value 30 A at 24 V rated value 1A at 440 V rated value 30 A at 24 V rated value 30 A at 220 V rated value 30 A at 24	— at 440 V rated value	0.4 A
at 10 V rated value 30 A 30	<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
at 110 V rated value 1A A 1A	— at 24 V rated value	30 A
- at 220 V rated value 1 A  - at 440 V rated value 30 A  - at 60 V rated value 30 A  - at 60 V rated value 30 A  - at 60 V rated value 30 A  - at 220 V rated value 30 A  - at 220 V rated value 30 A  - at 220 V rated value 2.9 A  • at 1110 V rated value 2.9 A  • at 124 V rated value 5A  - at 24 V rated value 5A  - at 24 V rated value 5A  - at 24 V rated value 5A  - at 25 V rated value 5A  - at 20 V rated value 5A  - at 20 V rated value 5A  - at 20 V rated value 1A  - at 440 V rated value 1A  - at 440 V rated value 1A  - at 440 V rated value 30 A  • with 2 current paths in series at DC-3 at DC-5  - at 22 V rated value 30 A  - at 110 V rated value 30 A  - at 110 V rated value 30 A  - at 220 V rated value 30 A  - at 24 V rated value 30 A  - at 25 V rated value 30 A  - at 27 V rated value 30 A  - at 27 V rated value 30 A  - at 28 V rated value 30 A  - at 29 V rated value 30 A  - at 20 V rated value 30 A  - at 20 V rated value 30 A  - at 440 V	— at 60 V rated value	30 A
	— at 110 V rated value	30 A
• with 3 current paths in series at DC-1  — at 24 V rated value 30 A — at 10 V rated value 30 A — at 110 V rated value 30 A — at 120 V rated value 30 A — at 220 V rated value 2.9 A  • at 440 V rated value 2.9 A  • at 1 current path at DC-3 at DC-5 — at 24 V rated value 5 A — at 110 V rated value 5 A — at 110 V rated value 1 A — at 440 V rated value 30 A  • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 30 A — at 60 V rated value 30 A — at 60 V rated value 30 A — at 60 V rated value 30 A — at 440 V rated value 30 A — at 220 V rated value 30 A — at 24 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 30 A — at 110 V rated value 30 A — at 220 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 7.5 kW • at AC-3 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW	— at 220 V rated value	1 A
- at 24 V rated value 30 A - at 60 V rated value 30 A - at 110 V rated value 30 A - at 220 V rated value 2.9 A  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 5A - at 120 V rated value 5A - at 10 V rated value 5A - at 110 V rated value 11 A - at 440 V rated value 11 A - at 440 V rated value 15 A - at 220 V rated value 15 A - at 220 V rated value 15 A - at 220 V rated value 15 A - at 24 V rated value 30 A - at 440 V rated value 30 A - at 440 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 33 A - at 440 V rated value 34 A - at 220 V rated value 35 A - at 220 V rated value 35 A - at 220 V rated value 36 A - at 220 V rated value 37 A - at 220 V rated value 38 A - at 440 V rated value 38 A - at 440 V rated value 39 A - at 440 V rated value 30 A - at 440 V rated value 30 A - at 60 V rated value 30 A - at 60 V rated value 30 A - at 440 V rated value 70 A - at	— at 440 V rated value	1 A
- at 60 V rated value	<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
- at 110 V rated value 30 A - at 220 V rated value 2.9 A  • at 1 current path at DC-3 at DC-5  - at 24 V rated value 5 A - at 110 V rated value 1 A - at 440 V rated value 1 A - at 440 V rated value 30 A - at 220 V rated value 30 A • with 2 current paths in series at DC-3 at DC-5  - at 24 V rated value 30 A - at 50 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 35 A - at 220 V rated value 37 A - at 220 V rated value 37 A - at 240 V rated value 37 A - at 440 V rated value 37 A - at 440 V rated value 30 A - at 440 V rated value 30 A - at 50 V rated value 30 A - at 60 V rated value 30 A - at 60 V rated value 30 A - at 440 V rated value 70 A - at 220 V rated value 70 A - at 440	— at 24 V rated value	30 A
- at 220 V rated value 2.9 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 110 V rated value 1 A  - at 440 V rated value 2.5 A  - at 220 V rated value 1 A  - at 440 V rated value 1 A  - at 440 V rated value 30 A  • with 2 current paths in series at DC-3 at DC-5  - at 24 V rated value 30 A  - at 110 V rated value 30 A  - at 110 V rated value 30 A  - at 220 V rated value 3 A  - at 220 V rated value 30 A  - at 440 V rated value 30 A  - at 440 V rated value 30 A  - at 220 V rated value 30 A  - at 220 V rated value 30 A  - at 24 V rated value 30 A  - at 440 V rated value 30 A  - at 220 V rated value 30 A  - at 440 V rated value 7.5 kW  • at AC-3 at 400 V rated value 7.5 kW  • at AC-4 at 400 V rated value 7.5 kW  no-load switching frequency	— at 60 V rated value	30 A
	— at 110 V rated value	30 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 110 V rated value 2.5 A — at 220 V rated value 1A — at 440 V rated value 0.09 A  • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 30 A — at 60 V rated value 30 A — at 110 V rated value 15 A — at 220 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 30 A — at 24 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 30 A — at 24 V rated value 30 A — at 460 V rated value 30 A — at 460 V rated value 30 A — at 470 V rated value 7.5 kW • at AC-3 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW	— at 220 V rated value	30 A
- at 24 V rated value 20 A - at 60 V rated value 5 A - at 110 V rated value 2.5 A - at 110 V rated value 1 A - at 220 V rated value 0.09 A  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 30 A - at 60 V rated value 15 A - at 220 V rated value 30 A - at 110 V rated value 30 A - at 220 V rated value 3A - at 24 V rated value 3A - at 440 V rated value 3A - at 24 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 440 V rated value 30 A - at 440 V rated value 30 A - at 440 V rated value 10 A - at 440 V rated value 50.6 A  operating power  • at AC-3 at 400 V rated value 7.5 kW • at AC-4 at 400 V rated value 7.5 kW  no-load switching frequency	— at 440 V rated value	2.9 A
- at 60 V rated value 5 A - at 110 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 0.09 A  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 30 A - at 60 V rated value 30 A - at 110 V rated value 15 A - at 220 V rated value 3 A - at 220 V rated value 3 A - at 440 V rated value 3 A - at 440 V rated value 3 A - at 440 V rated value 30 A - at 440 V rated value 30 A - at 110 V rated value 30 A - at 440 V rated value 30 A - at 24 V rated value 30 A - at 24 V rated value 30 A - at 25 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 440 V rated value 10 A - at 440 V rated value 7.5 kW  • at AC-3 at 400 V rated value 7.5 kW  • at AC-4 at 400 V rated value 7.5 kW  no-load switching frequency	<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
at 110 V rated value 2.5 A at 220 V rated value 0.09 A  ■ with 2 current paths in series at DC-3 at DC-5  at 24 V rated value 30 A at 60 V rated value 15 A at 220 V rated value 30 A at 110 V rated value 30 A at 220 V rated value 30 A at 440 V rated value 30.27 A  ■ with 3 current paths in series at DC-3 at DC-5  at 24 V rated value 30 A at 60 V rated value 30 A at 60 V rated value 30 A at 20 V rated value 30 A at 220 V rated value 30 A at 220 V rated value 30 A at 220 V rated value 30 A at 110 V rated value 30 A at 220 V rated value 10 A at 440 V rated value 10 A at 440 V rated value 7.5 kW ■- at AC-3 at 400 V rated value 7.5 kW ■- at AC-4 at 400 V rated value 7.5 kW  no-load switching frequency	— at 24 V rated value	20 A
at 220 V rated value at 440 V rated value at 440 V rated value at 24 V rated value at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 24 V rated value at 25 V rated value at 26 V rated value at 27 V rated value at 28 V rated value at 29 V rated value at 20 V rated value at 440 V rated value at 400 V rated value	— at 60 V rated value	5 A
- at 440 V rated value  • with 2 current paths in series at DC-3 at DC-5  - at 24 V rated value  - at 60 V rated value  - at 110 V rated value  - at 220 V rated value  - at 440 V rated value  - at 440 V rated value  • with 3 current paths in series at DC-3 at DC-5  - at 24 V rated value  - at 60 V rated value  30 A  • with 3 current paths in series at DC-3 at DC-5  - at 24 V rated value  30 A  - at 60 V rated value  30 A  - at 110 V rated value  30 A  - at 220 V rated value  30 A  - at 220 V rated value  30 A  - at 220 V rated value  30 A  - at 440 V rated value  7.5 kW  • at AC-3 at 400 V rated value  7.5 kW  no-load switching frequency	— at 110 V rated value	2.5 A
• with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value 30 A  — at 60 V rated value 15 A  — at 220 V rated value 3 A  — at 440 V rated value 0.27 A  • with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value 30 A  — at 110 V rated value 30 A  — at 60 V rated value 30 A  — at 110 V rated value 30 A  — at 110 V rated value 30 A  — at 220 V rated value 30 A  — at 440 V rated value 10 A  — at 440 V rated value 7.5 kW  • at AC-3 at 400 V rated value 7.5 kW  • at AC-4 at 400 V rated value 7.5 kW  no-load switching frequency	— at 220 V rated value	
- at 24 V rated value 30 A - at 60 V rated value 15 A - at 220 V rated value 3 A - at 440 V rated value 0.27 A  ■ with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 30 A - at 60 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 440 V rated value 10 A - at 220 V rated value 7.5 kW  ■ at AC-3 at 400 V rated value 7.5 kW  no-load switching frequency		0.09 A
— at 60 V rated value       30 A         — at 110 V rated value       15 A         — at 220 V rated value       3 A         — at 440 V rated value       0.27 A         • with 3 current paths in series at DC-3 at DC-5       —         — at 24 V rated value       30 A         — at 60 V rated value       30 A         — at 110 V rated value       30 A         — at 220 V rated value       10 A         — at 440 V rated value       0.6 A         operating power       • at AC-3 at 400 V rated value       7.5 kW         • at AC-4 at 400 V rated value       7.5 kW         no-load switching frequency       • at AC-4 at 400 V rated value	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
- at 110 V rated value 15 A - at 220 V rated value 2.7 A  ■ with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 30 A - at 60 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 220 V rated value 10 A - at 440 V rated value 50.6 A   operating power ■ at AC-3 at 400 V rated value 7.5 kW  ro-load switching frequency	— at 24 V rated value	30 A
at 220 V rated value 0.27 A  ■ with 3 current paths in series at DC-3 at DC-5  at 24 V rated value 30 A  at 60 V rated value 30 A  at 110 V rated value 30 A  at 220 V rated value 10 A  at 220 V rated value 50.6 A   operating power  ■ at AC-3 at 400 V rated value 7.5 kW  no-load switching frequency	— at 60 V rated value	30 A
<ul> <li>— at 440 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 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>Operating power</li> <li>● at AC-3 at 400 V rated value</li> <li>● at AC-4 at 400 V rated value</li> <li>T.5 kW</li> <li>No-load switching frequency</li> </ul>	— at 110 V rated value	15 A
• with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value 30 A  — at 60 V rated value 30 A  — at 110 V rated value 30 A  — at 220 V rated value 10 A  — at 440 V rated value 0.6 A   operating power  • at AC-3 at 400 V rated value 7.5 kW  no-load switching frequency	— at 220 V rated value	3 A
— at 24 V rated value       30 A         — at 60 V rated value       30 A         — at 110 V rated value       30 A         — at 220 V rated value       10 A         — at 440 V rated value       0.6 A         operating power         ● at AC-3 at 400 V rated value       7.5 kW         ● at AC-4 at 400 V rated value       7.5 kW         no-load switching frequency	— at 440 V rated value	0.27 A
— at 60 V rated value       30 A         — at 110 V rated value       30 A         — at 220 V rated value       10 A         — at 440 V rated value       0.6 A         operating power <ul> <li>at AC-3 at 400 V rated value</li> <li>at AC-4 at 400 V rated value</li> <li>7.5 kW</li> </ul> ro-load switching frequency	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 110 V rated value       30 A         — at 220 V rated value       10 A         — at 440 V rated value       0.6 A         operating power         • at AC-3 at 400 V rated value       7.5 kW         • at AC-4 at 400 V rated value       7.5 kW         no-load switching frequency	— at 24 V rated value	
— at 220 V rated value       10 A         — at 440 V rated value       0.6 A         operating power         ● at AC-3 at 400 V rated value       7.5 kW         ● at AC-4 at 400 V rated value       7.5 kW         no-load switching frequency       7.5 kW	— at 60 V rated value	
— at 440 V rated value       0.6 A         operating power <ul> <li>at AC-3 at 400 V rated value</li> <li>at AC-4 at 400 V rated value</li> <li>7.5 kW</li> </ul> no-load switching frequency     7.5 kW	— at 110 V rated value	30 A
operating power  • at AC-3 at 400 V rated value • at AC-4 at 400 V rated value 7.5 kW  no-load switching frequency	— at 220 V rated value	10 A
<ul> <li>at AC-3 at 400 V rated value</li> <li>at AC-4 at 400 V rated value</li> <li>no-load switching frequency</li> </ul> 7.5 kW 7.5 kW	— at 440 V rated value	0.6 A
• at AC-4 at 400 V rated value  7.5 kW  no-load switching frequency	operating power	
no-load switching frequency		
		7.5 kW
• at DC 1 500 1/h		
	• at DC	1 500 1/h

operating frequency at AC-1 maximum	1 000 1/h
Control circuit/ Control	
type of voltage	DC
type of voltage type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	125 V
operating range factor control supply voltage rated value of	120 V
magnet coil at DC	
initial value	0.8
• full-scale value	1.1
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 18 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	1
attachable	2
• instantaneous contact	1
number of NO contacts for auxiliary contacts	1
attachable	2
instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
at 400 V rated value	3 A
at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	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
operational current at DC-13	
• at 24 V rated value	10 A
• at 48 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	
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
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	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63 A (690 V, 100 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20 A (690 V, 100 kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (690 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

General Product Approval	EMV
Approvals Certificates	
product function bus communication	No
Communication/ Protocol	Ne
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
protection class IP on the front according to IEC 60529	IP20
Electrical Safety	IDea
positively driven operation according to IEC 60947-5-1	No
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
product function	
afety related data	
for auxiliary contacts	20 14
• for main contacts	16 8
section	
AWG number as coded connectable conductor cross	
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for auxiliary contacts	
type of connectable conductor cross-sections	5.5 <u>2.</u> 6 mm
finely stranded with core end processing	0.5 2.5 mm²
solid or stranded	0.5 2.5 mm²
finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts	1 10 IIIIII
stranded     finally stranded with core and processing.	1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>
solid or stranded     stranded	1 10 mm <sup>2</sup>
• solid	1 10 mm <sup>2</sup>
connectable conductor cross-section for main contacts	1 10 mm <sup>2</sup>
finely stranded with core end processing  connectable conductor cross-section for main contacts.	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
solid or stranded     finally stranded with core and processing	2x (1 2.5 mm²), 2x (2.5 10 mm²)
solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
• or magnet coll  type of connectable conductor cross-sections for main contacts	Screw-type terminals
of magnet coil	
at contactor for auxiliary contacts	Screw-type terminals Screw-type terminals
for auxiliary and control circuit	screw-type terminals screw-type terminals
for main current circuit	screw-type terminals
type of electrical connection	
onnections/ Terminals	
— at the side	6 mm
— downwards	10 mm
— upwards	10 mm
— forwards	10 mm
for live parts	10 11111
at the side     downwards	6 mm
— upwards	10 mm
— forwards	10 mm
• for grounded parts	40
— at the side	0 mm
— downwards	10 mm
— upwards	10 mm
— forwards	10 mm
<ul><li>with side-by-side mounting</li></ul>	
required spacing	
depth	107 mm
width	60 mm
height	85 mm













**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report

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









Marine / Shipping

other

Railway

**Dangerous goods** 





**Miscellaneous** 

Confirmation

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

**Transport Information** 

## **Environment**



**Environmental Confirmations** 

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=3RT2325-1BG40

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2325-1BG40}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-1BG40

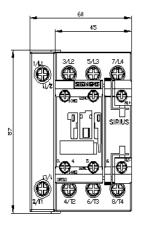
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

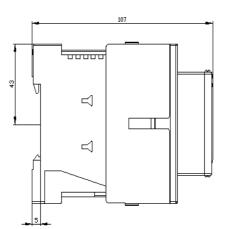
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2325-1BG40&lang=en

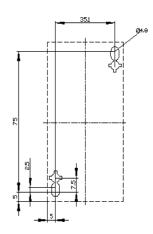
Characteristic: Tripping characteristics, I2t, Let-through current

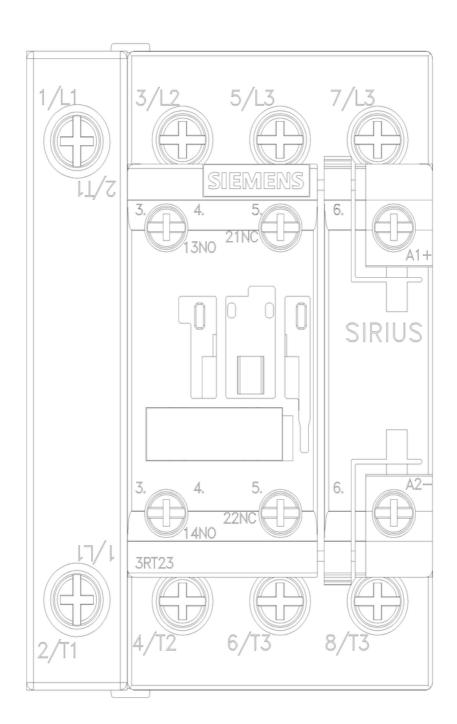
https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-1BG40/char

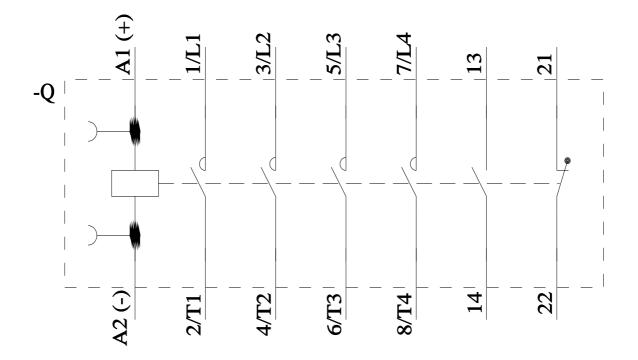
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2325-1BG40&objecttype=14&gridview=view1











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