## **SIEMENS**

Data sheet 3RT2026-1BP40



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 230 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0  $\,$ 

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
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 auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at 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
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.59 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-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	221 kg
Global Warming Potential [CO2 eq] during manufacturing	2.65 kg
Global Warming Potential [CO2 eq] during operation	219 kg
Global Warming Potential [CO2 eq] after end of life	-0.639 kg
Main circuit	oloop ng
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	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> </ul>	40 A
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ 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	
— 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
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	35.2 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	20.7 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	20.2 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	20.2 A
<ul><li>— up to 500 V for current peak value n=20 rated value</li></ul>	20.2 A
<ul><li>up to 690 V for current peak value n=20 rated value</li><li>at AC-6a</li></ul>	12.9 A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	13.5 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	13.5 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	9 A
at 690 V rated value	9 A
operational current	
at 1 current path at DC-1     at 24 V roted value	25 A
— at 24 V rated value	35 A 20 A
— at 60 V rated value — at 110 V rated value	4.5 A
— at 110 V rated value  — at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 440 V rated value  — at 600 V rated value	0.4 A 0.25 A
with 2 current paths in series at DC-1	V.20 A
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 100 V rated value  — at 110 V rated value	35 A
— at 110 V rated value  — at 220 V rated value	5 A
— at 440 V rated value	1A
— at 440 V rated value  — at 600 V rated value	0.8 A
— at 000 v rateu value	V.U /\

* with 3 current paths in series at DC-1	e with 3 current noths in corios at DC 4	
	-	35 Δ
at 500 V rated value  at 10 V rated value  at 220 V rated value  at 220 V rated value  at 600 V rated value  -		
- at 1 current path at DC-3 at DC-5  - at 22 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 600 V rated value - at 110 V rated value - at 220 V rated value - at 600 V rated value - at 220 V rated value - at 600 V rated value - at 110 V rated value - at 110 V rated value - at 120 V rated value - at 140 V rated value - at 1400 V rated value - at 1500 V rated value - at 1500 V rated value - at 600 V rated value		
		1.4 A
at 220 V rated value		
■ with 2 current paths in series at DC-3 at DC-5     ■ 124 V rated value     ■ 15 A     ■ 16 0 V rated value     ■ 17 10 V rated value     ■ 17 10 V rated value     ■ 18 0 V rated value     ■ 19 0 V rated value		
• with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value  — at 80 V rated value  — at 110 V rated value  — at 220 V rated value  — at 220 V rated value  — at 400 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-3 at DC-5  — at 24 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  — at 110 V rated value  — at 220 V rated value  — at 220 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 200 V rated value  • at AC-2  — at 230 V rated value  • at AC-3  — at 230 V rated value  11 kW  • at AC-3  — at 230 V rated value  — at 800 V rated value  11 kW  • at AC-3  — at 230 V rated value  11 kW  • at AC-3e  — at 230 V rated value  11 kW  • at AC-3e  — at 230 V rated value  11 kW  • at AC-3e  — at 230 V rated value  11 kW  • at AC-3e  — at 230 V rated value  11 kW  • at AC-3e  — at 600 V rated value  11 kW  • at AC-3e  — at 600 V rated value  11 kW  • at AC-3e  — at 600 V rated value  11 kW  • at 690 V rated value  • at 690 V rocurrent peak value n=20 rated value  • at 690 V rocurrent peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n		
at 24 V rated value		0.06 A
at 10 V rated value	•	
at 110 V rated value		
- at 220 V rated value	— at 60 V rated value	35 A
at 440 V rated value 0.16 A at 600 V rated value 35 A at 600 V rated value 35 A at 60 V rated value 35 A at 60 V rated value 35 A at 60 V rated value 35 A at 110 V rated value 10 A at 220 V rated value 10 A at 440 V rated value 10 A at 440 V rated value 10 A at 440 V rated value 10 A at 600 V rated value 11 kW at 600 V rated value 11 kW at 800 V rated value 11 kW at 500 V rated value 11 kW at 500 V rated value 11 kW at 500 V rated value 11 kW at 600 V rated		
	— at 220 V rated value	
• with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value — at 110 V rated value — 35 A — at 220 V rated value — 10 A — at 440 V rated value — 10 A — at 440 V rated value — 10 A — at 440 V rated value — 10 A  Operating power  • at AC-2 at 400 V rated value — 11 kW • at AC-3 — at 230 V rated value — 11 kW — at 350 V rated value — 11 kW — at 500 V rated value — 11 kW — at 690 V rated value — 11 kW — at 690 V rated value — 11 kW — at 690 V rated value — 11 kW — at 690 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 600 V rated value — 11 kW — at 600 V rated value — 11 kW  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value — 17 kW  Operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 400 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value	— at 440 V rated value	0.27 A
at 24 V rated value 35 A at 60 V rated value 35 A at 110 V rated value 10 A at 1220 V rated value 10 A at 440 V rated value 10.6 A at 600 V rated value 11 kW at 620 V rated value 5.5 kW at 400 V rated value 11 kW at 690 V rated value 11 kW at 690 V rated value 11 kW at 690 V rated value 11 kW at 400 V rated value 11 kW at 690 V rated value 11 kW	— at 600 V rated value	0.16 A
- at 60 V rated value	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
- at 110 V rated value	— at 24 V rated value	35 A
	— at 60 V rated value	35 A
at 440 V rated value	— at 110 V rated value	35 A
operating power	— at 220 V rated value	10 A
operating power         • at AC-2 at 400 V rated value         • at AC-3	— at 440 V rated value	0.6 A
at AC-2 at 400 V rated value     at AC-3     — at 230 V rated value     — at 400 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 230 V rated value     — at 230 V rated value     — at 230 V rated value     — at 400 V rated value     — at 690 V rated value     311 kW  operating power for approx. 200000 operating cycles at AC-4      • at 400 V rated value     • at 690 V rated value     • at 690 V rated value     • up to 230 V for current peak value n=20 rated value     • up to 600 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 690 V for current peak value n=20 rated value     • up to 230 V for current peak value n=20 rated value     • up to 690 V for current peak value n=30 rated value     • up to 230 V for current peak value n=30 rated value     • up to 230 V for current peak value n=30 rated value     • up to 600 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value	— at 600 V rated value	0.6 A
• at AC-3	operating power	
- 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 500 V rated value 11 kW - at 690 V rated value 11 kW - at 690 V rated value 11 kW - at 690 V rated value 11 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 4.4 kW • at 690 V rated value 7.7 kW  operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value 8 kVA • up to 500 V for current peak value n=20 rated value 13.9 kVA • up to 690 V for current peak value n=20 rated value 15.4 kVA  operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value 15.4 kVA  operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value 5.3 kVA  • up to 690 V for current peak value n=30 rated value 9.3 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 9.3 kVA	<ul> <li>at AC-2 at 400 V rated value</li> </ul>	11 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 - at 690 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 7.7 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 13.9 kVA • up to 500 V for current peak value n=20 rated value 15.4 kVA  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 15.4 kVA  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 15.4 kVA  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 15.4 kVA  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 9.3 kVA • up to 500 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	• at AC-3	
- at 500 V rated value - at 690 V rated value 11 kW  • at AC-3e - at 230 V rated value 5.5 kW - at 400 V rated value 11 kW  - at 500 V rated value 11 kW  - at 690 V rated value 11 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value  17.4 kVA • up to 690 V for current peak value n=20 rated value 5.3 kVA • 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 9.3 kVA	— at 230 V rated value	5.5 kW
- at 690 V rated value  • at AC-3e  - 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  11 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • up to 230 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 230 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • 11.6 kVA	— at 400 V rated value	11 kW
at AC-3e  —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 400 V rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=30 rated value —at 690 V roccurrent peak value	— at 500 V rated value	11 kW
- 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 400 V rated value - at 690 V rated value - at 400 V rated value - at 690 V rated value	— at 690 V rated value	11 kW
- at 400 V rated value - at 500 V rated value - at 690 V rated value 11 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 230 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value	• at AC-3e	
- at 500 V rated value - at 690 V rated value  operating power for approx. 200000 operating cycles at AC-  4  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value  oup to 690 V for current peak value n=20 rated value  15.4 kVA  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value  oup to 400 V for current peak value n=30 rated value  oup to 500 V for current peak value n=30 rated value  11.6 kVA	— at 230 V rated value	5.5 kW
— at 690 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  out to 230 V for current peak value n=20 rated value  out to 400 V for current peak value n=20 rated value  out to 500 V for current peak value n=20 rated value  out to 690 V for current peak value n=20 rated value  out to 690 V for current peak value n=20 rated value  17.4 kVA  out to 690 V for current peak value n=20 rated value  15.4 kVA  operating apparent power at AC-6a  out to 230 V for current peak value n=30 rated value  out to 400 V for current peak value n=30 rated value  15.3 kVA  out to 500 V for current peak value n=30 rated value  11.6 kVA	— at 400 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-  1	— at 500 V rated value	11 kW
at 400 V rated value at 690 V rated value 7.7 kW  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value 13.9 kVA  up to 500 V for current peak value n=20 rated value 17.4 kVA  up to 690 V for current peak value n=20 rated value 15.4 kVA  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value 9.3 kVA  up to 400 V for current peak value n=30 rated value 11.6 kVA	— at 690 V rated value	11 kW
at 690 V rated value      operating apparent power at AC-6a         up to 230 V for current peak value n=20 rated value         up to 400 V for current peak value n=20 rated value         up to 500 V for current peak value n=20 rated value         up to 690 V for current peak value n=20 rated value         up to 690 V for current peak value n=20 rated value          operating apparent power at AC-6a         up to 230 V for current peak value n=30 rated value         up to 400 V for current peak value n=30 rated value         up to 500 V for current peak value n=30 rated value         11.6 kVA		
at 690 V rated value      operating apparent power at AC-6a         up to 230 V for current peak value n=20 rated value         up to 400 V for current peak value n=20 rated value         up to 500 V for current peak value n=20 rated value         up to 690 V for current peak value n=20 rated value         up to 690 V for current peak value n=20 rated value          operating apparent power at AC-6a         up to 230 V for current peak value n=30 rated value         up to 400 V for current peak value n=30 rated value         up to 500 V for current peak value n=30 rated value         11.6 kVA	at 400 V rated value	4.4 kW
up to 230 V for current peak value n=20 rated value     up to 400 V for current peak value n=20 rated value     up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value      operating apparent power at AC-6a     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     15.4 kVA  15.4 kVA  15.4 kVA  15.4 kVA  15.4 kVA		7.7 kW
up to 230 V for current peak value n=20 rated value     up to 400 V for current peak value n=20 rated value     up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value      operating apparent power at AC-6a     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     15.4 kVA  15.4 kVA  15.4 kVA  15.4 kVA  15.4 kVA	operating apparent power at AC-6a	
<ul> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>17.4 kVA</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>15.4 kVA</li> </ul> Operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>11.6 kVA</li> </ul>		8 kVA
up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 15.4 kVA  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA		13.9 kVA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>11.6 kVA</li> </ul>		
operating apparent power at AC-6a         • up to 230 V for current peak value n=30 rated value         • up to 400 V for current peak value n=30 rated value         • up to 500 V for current peak value n=30 rated value         11.6 kVA		
<ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>11.6 kVA</li> </ul>		
<ul> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>11.6 kVA</li> </ul>		5.3 kVA
• up to 500 V for current peak value n=30 rated value  11.6 kVA		
, and the second	·	
short-time withstand current in cold operating state up to		
40 °C	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 5 s switching at zero current maximum  300 A; Use minimum cross-section acc. to AC-1 rated value	-	
• limited to 10 s switching at zero current maximum  210 A; Use minimum cross-section acc. to AC-1 rated value	-	
• limited to 30 s switching at zero current maximum  144 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	<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	118 A; Use minimum cross-section acc. to AC-1 rated value

no-load switching frequency	4 500 4/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-3e 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	230 V
operating range factor control supply voltage rated value of 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 instantaneous	1
contact number of NO contacts for auxiliary contacts instantaneous	1
contact	
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 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 3-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 3-phase AC motor	
— at 200/208 V rated value	5 hp
at 200/200 V rated Value	р

— 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	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul><li>— with type of coordination 1 required</li></ul>	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	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 backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	85 mm
width	45 mm
depth	107 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	10 11111
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	O IIIIII
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 mm²), 2x (2.5 10 mm²)
finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
for AWG cables for main contacts	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	( · · · · - <i>p</i> = · ( · · · · · - <i>p</i>
• solid	1 10 mm²
• stranded	1 10 mm²
finely stranded with core end processing	1 10 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm²
	0.5 2.5 mm²
finely stranded with core end processing  type of connectable conductor cross-sections	0.0 2.0 IIIII
type of connectable conductor cross-sections	
for auxiliary contacts	2v (0.5
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	

• for main contacts	16 8	
<ul> <li>for auxiliary contacts</li> </ul>	20 14	
Safety related data		
product function		
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes	
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No	
suitable for safety function	Yes	
suitability for use safety-related switching OFF	Yes	
service life maximum	20 a	
test wear-related service life necessary	Yes	
proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %	
B10 value with high demand rate according to SN 31920	1 000 000	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
ISO 13849		
device type according to ISO 13849-1	3	
overdimensioning according to ISO 13849-2 necessary	Yes	
IEC 61508		
safety device type according to IEC 61508-2	Type A	
Electrical Safety		
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Approvals Certificates		
General Product Approval		

**@** 





Confirmation

Special Test Certific-

<u>ate</u>



<u>KC</u>

General Product Approval

EMV

**Test Certificates** 

Type Test Certificates/Test Report



Marine / Shipping



Marine / Shipping

other









<u>Miscellaneous</u>

Confirmation

Railway

Dangerous goods

Environment

Special Test Certificate

**Transport Information** 



Environmental Confirmations

## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-1BP40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1BP40

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1BP40

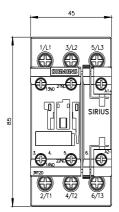
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RT2026-1BP40&lang=en

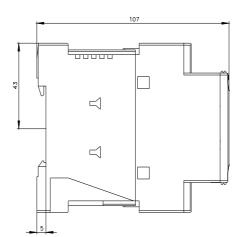
Characteristic: Tripping characteristics, I²t, Let-through current

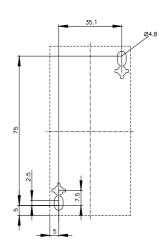
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1BP40/char

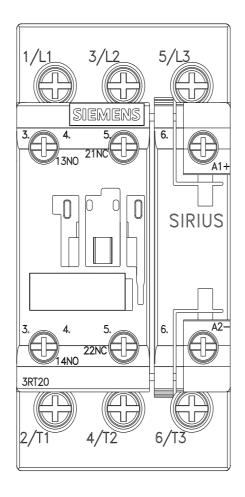
Further characteristics (e.g. electrical endurance, switching frequency)

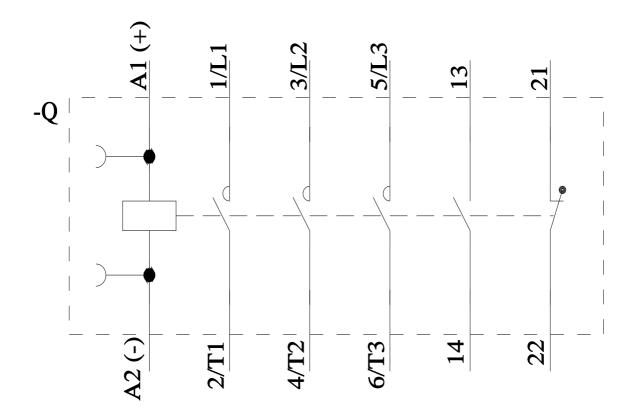
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1BP40&objecttype=14&gridview=view1











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