Data sheet 3RT2026-1DB44-3MA0



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 24 V DC, with plugged-in varistor, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S0, captive auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	No
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.7 W
 at AC in hot operating state per pole 	1.9 W
without load current share typical	5.9 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at 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)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
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	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	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	40 A
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ 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
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	35.2 A 20.7 A
at AC-5b up to 400 V rated valueat AC-6a	20.1 A
up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A 20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
at AC-6a	12.0 A
— up to 230 V for current peak value n=30 rated value	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
— up to 500 V for current peak value n=30 rated value	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	10 mm²
value 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	05.4
— at 24 V rated value	35 A
— at 60 V rated value	20 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
with 2 current paths in series at DC-1 at 24 V reted value.	25 A
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A 5 A
— at 220 V rated value— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
— at 000 v rateu value	U.U A

* 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 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 ■ 15 A ■ 12 CU v rated value ■ 15 A ■ 12 CU v rated value ■ 14 40 V rated value ■ 15 A ■ 12 CU v rated value ■ 16 0 V rated value ■ 17 V rated value ■ 16 0 V rated value ■ 16 0 V rated value ■ 16 0 V rated value ■ 17 10 V rated value ■ 16 0 V rated value ■ 17 10 V rated value ■ 18 CU		
• 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 — at 800 V rated value • 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 600 V rated value 11 kW • at AC-3e — at 600 V rated value 11 kW • at 600 V rated value • at 600 V rated value 11 kW • at 600 V rated value • at 600 V rated va		
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	 with 3 current paths in series at DC-3 at DC-5 	
- 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 500 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	 at AC-2 at 400 V rated value 	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 1 tkW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 13.9 kVA • up to 690 V for current peak value n=20 rated value 17.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 17.4 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 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	— 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	
 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 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 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 		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
 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 		
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		
 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 		
 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 		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	 limited to 60 s switching at zero current maximum 	118 A; Use minimum cross-section acc. to AC-1 rated value

no-load switching frequency	4 500 4//
• 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	
•	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	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 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 contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational 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	1A
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 at 110 V rated value	3 A
at 110 V rated value at 125 V rated value	2 A
at 125 V rated value at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	C.A.
• 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 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 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	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)
— with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	85 mm
height width	45 mm
	45 mm
depth required spacing	101 Hill
required spacing	
with side-by-side mounting— forwards	10 mm
— iorwards — upwards	10 mm
— upwards — downwards	10 mm
— downwards — at the side	0 mm
for grounded parts	O IIIIII
— forwards	10 mm
	10 mm
— upwards — at the side	6 mm
— at the side — downwards	10 mm
for live parts	10 111111
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	O THIN
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	Colon gpo terminate
• for main contacts	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— solid — 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 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
for AWG cables for main contacts	2x (1 2.3 mm), 2x (2.3 6 mm), 1x 16 mm
connectable conductor cross-section for main contacts	(
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
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	<u></u>
• for auxiliary contacts	
solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
Solid of stranded 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 1.3 mm), 2x (0.73 2.3 mm)
AWG number as coded connectable conductor cross	2A (20 10); 2A (10 17)
AVVO number as coded connectable conductor cross	

16 8
20 14
Yes
No
Yes; applies only to contactor operating mechanism
40 %
73 %
1 000 000
100 FIT
20 a
IP20
finger-safe, for vertical contact from the front

General Product Approval







Confirmation





General Product Approval EMV Functional Saftey Test Certificates

<u>KC</u>





Type Examination Certificate Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping other











Miscellaneous

other Railway Dangerous Good Environment

Transport Information

<u>Confirmation</u> <u>Special Test Certificate</u>



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=3RT2026-1DB44-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1DB44-3MA0

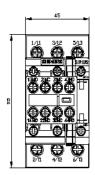
 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$

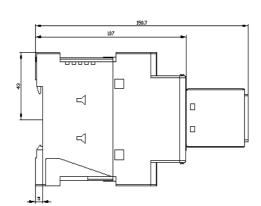
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1DB44-3MA0

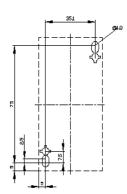
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

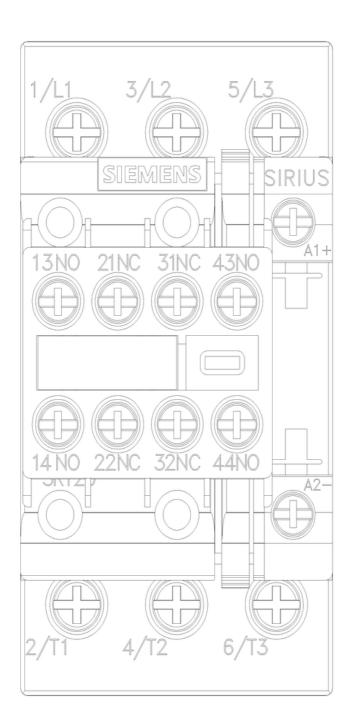
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1DB44-3MA0&lang=en

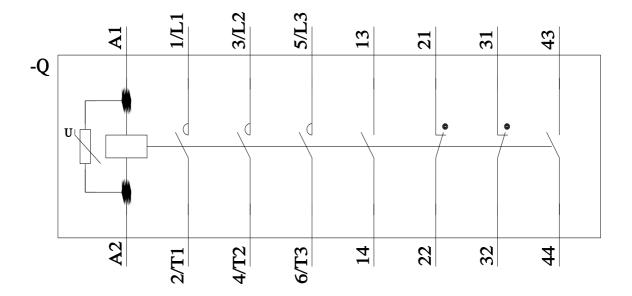
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1DB44-3MA0&objecttype=14&gridview=view1











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