SIEMENS

Data sheet

3RT2026-1AN24



power contactor, AC-3 25 A, 11 kW / 400 V 2 NO + 2 NC, 220 V AC, 50 / 60 Hz, 3-pole, Size S0, screw terminal Removable auxiliary switch

product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data			
size of contactor	SO		
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 	10.5 W		
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 safe isolation between coil and main contacts according to EN 60947-1	400 V		
shock resistance at rectangular impulse			
• at AC	8,3g / 5 ms, 5,3g / 10 ms		
shock resistance with sine pulse			
• at AC	13,5g / 5 ms, 8,3g / 10 ms		
mechanical service life (switching 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		
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 %		

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 	40 A
• at AC-1	
 — up to 690 V at ambient temperature 40 °C rated value 	40 A
— up to 690 V at ambient temperature 60 °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 	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
 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
 — 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 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 value operational current for approx. 200000 operating	10 mm ²
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 rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— 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 rated value	35 A
— at 110 V rated value	35 A 35 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	

- at 24 V rated value 35 Å - at 22 V rated value 35 Å - at 22 V rated value 35 Å - at 24 V rated value 29 Å - at 24 V rated value 29 Å - at 24 V rated value 29 Å - at 24 V rated value 20 Å - at 24 V rated value 20 Å - at 24 V rated value 20 Å - at 24 V rated value 0.00 Å - at 24 V rated value 0.00 Å - at 240 V rated value 0.16 Å - at 240 V rated value 0.16 Å - at 240 V rated value 0.16 Å - at 240 V rated value 0.6 Å - at 230 V rated value 0.6 Å - at 230 V rated value 0.6 Å - at 230 V rated value 1.1 kW - at 230 V rated value 5.5 kW - at 230 V rated value 1.1 kW		
 af 20 Y rady value af 85 Å af 800 Y rady value <li< td=""><td>— at 24 V rated value</td><td>35 A</td></li<>	— at 24 V rated value	35 A
- all 440 Yradd value29.A- all 420 Yradd value14.A- all 24V radd value20.A- all 14V radd value20.A- all 24V radd value20.A- all 24V radd value0.09 A- all 250 Yradd value0.09 A- all 24V radd value0.09 A- all 250 Yradd value0.09 A- all 24V radd value0.09 A- all 24V radd value0.09 A- all 24V radd value0.5A- all 24V radd value0.6A- all 24V radd value0.6A- all 24V radd value0.6A- all 230 Vradd value0.6A- all 230 Vradd value11KW- all 230 Vradd value11KW <td< td=""><td></td><td></td></td<>		
• at 1 current path at DC-3 at DC-5- at 24 V rade Value25 A- at 25 V rade Value25 A- at 20 V rade Value0.99 A- at 20 V rade Value0.99 A- at 20 V rade Value0.99 A- at 24 V rade Value35 A- at 25 V rade Value35 A- at 26 V rade Value0.16 A- at 27 V rade Value0.16 A- at 26 V rade Value0.16 A- at 27 V rade Value35 A- at 26 V rade Value0.16 A- at 27 V rade Value0.6 A- at 27 V rade Value0.6 A- at 27 V rade Value10 A- at 27 V rade Value10 A- at 28 V rate Value10 A- at 29 V rate Value10 A- at 20 V rated Value10 A- at 20 V rated Value16 A- at 20 V rated Value11 KW- at 20 V rated Value12 KVA- at 20 V rated Value13 KVA- at 20 V rated Value13 KVA- at 20 V rated Value13 KVA- at 20 V rated Value14 KVA- at 20 V rated Value12 KVA- at 20 V rated Value13 KVA- at 20 V rated Value13 KVA- at 20 V rated Value <td>— at 440 V rated value</td> <td></td>	— at 440 V rated value	
- at 20 V rated value20 A- at 100 V rated value2.5 A- at 420 V rated value0.09 A- at 440 V rated value0.09 A- at 420 V rated value0.06 A- at 420 V rated value35 A- at 24 V rated value35 A- at 240 V rated value36 A- at 250 V rated value0.6 A- at 250 V rated value0.6 A- at 260 V rated value0.6 A- at 270 V rated value10 A- at 280 V rated value11 kW- at 200 V rated value55 kW- at 200 V rated value11 kW- at 200 V rated value11 kW- at 200 V rated value12 kW- at 200 V rated value13 kVA- at 200 V rated value n=20 rated value14 kW- at 690 V rated value n=20 rated value15 kVA- at 690 V rated value n=20 rated value15 kVA- at 690 V fracternet paek value n=20 rated		1.4 A
-25 Å-at 200 V rated value0.00 Å-at 440 V rated value0.00 Å-at 600 V rated value0.00 Å-at 600 V rated value0.00 Å-at 600 V rated value35 Å-at 200 V rated value0.16 Å-at 700 V rated value0.16 Å-at 600 V rated value0.16 Å-at 600 V rated value0.16 Å-at 400 V rated value0.16 Å-at 400 V rated value0.6 Å-at 400 V rated value0.6 Å-at 20 V rated value0.6 Å-at 20 V rated value0.6 Å-at 20 V rated value10 Å-at 20 V rated value11 KW-at 60 V rated value55 KW-at 60 V rated value11 KW-at 60 V rated value11 KW-at 60 V rated value55 KW-at 60 V rated value55 KW-at 60 V rated val	 at 1 current path at DC-3 at DC-5 	
- at 200 Y rated value1 A- at 440 V rated value0.06 A- at 600 V rated value0.06 A- at 24 V rated value0.06 A- at 24 V rated value0.6 A- at 24 V rated value15 A- at 24 V rated value0.27 A- at 600 V rated value0.27 A- at 600 V rated value0.16 A- at 24 V rated value35 A- at 24 V rated value0.16 A- at 24 V rated value0.6 A- at 20 V rated value0.6 A- at 24 V rated value0.6 A- at 24 V rated value10 A- at 24 V rated value10 A- at 250 V rated value10 A- at 250 V rated value10 A- at 250 V rated value11 KW- at 650 V rated value15 KW- at 650 V rated value16 KWA- at 650 V rated value16 KWA- at 650 V rated value16 KWA- at 650 V rated value16 KWA <td>— at 24 V rated value</td> <td></td>	— at 24 V rated value	
	— at 110 V rated value	2.5 A
	— at 220 V rated value	1 A
• with 2 current paths in series at DC-3 at DC-535 A- at 24 V rated value35 A- at 220 V rated value37 A- at 220 V rated value37 A- at 240 V rated value35 A- at 240 V rated value36 A- at 240 V rated value36 A- at 220 V rated value10 A- at 220 V rated value6 A- at 220 V rated value6 A- at 230 V rated value11 KW- at 400 V rated value11 KW- at 230 V rated value11 KW- at 400 V rated value11 KW- at 600 V rated value11 KW- at 600 V rated value13 KA- at 600 V fract value n=20 rated value13 KA- at	— at 440 V rated value	
	— at 600 V rated value	0.06 A
	 with 2 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	
	— at 110 V rated value	15 A
	— at 220 V rated value	3 A
 with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 24 V rated value - at 220 V rated value - at 220 V rated value - at 240 V rated value - at 240 V rated value - at 240 V rated value - at 440 V rated value - at 440 V rated value - at 400 V rated value - at 400 V rated value - at 230 V rated value - at 360 V rated value - at 360 V rated value - at 860 V rated value - 1 7 kWA - up to 200 V for current peak value n=30 rated value - 1 5	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
	 with 3 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	
	— at 110 V rated value	35 A
	— at 220 V rated value	10 A
operating power at AC-3 at AC -3e at 500 V rated value at WW at AC -3e at 500 V rated value at WW at AC -3e at 400 V rated value at WW at 500 V rated value at WW at 500 V rated value at WW at 600 V rated value at WW at 400 V rated value at WW at 400 V rated value at WW at 400 V rated value at WW at 600 V rated value at WW at 600 V rated value at WW at 600 V rated value at 400 V rated value at 400 V rated value at 400 V rated value at 600 V for current peak value n=20 rated value at 600 V for current peak value n=20 rated value by to 230 V for current peak value n=20 rated value by to 200 V for current peak value n=20 rated value by to 200 V for current peak value n=30 rated value by to 200 V for current peak value n=30 rated value by to 400 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to	— at 440 V rated value	0.6 A
• at AC-35.5 kW- at 230 V rated value11 kW- at 500 V rated value11 kW- at 690 V rated value11 kW- at 690 V rated value11 kW- at 230 V rated value11 kW- at 230 V rated value11 kW- at 230 V rated value11 kW- at 300 V rated value11 kW- at 690 V rated value24 kW- at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA- up to 230 V for current peak value n=20 rated value13.9 kVA- up to 230 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a9.3 kVA- up to 530 V for current peak value n=30 rated value15.4 kVAoperating apparent power at AC-6a9.3 kVA- up to 500 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state11 kVA- up to 600 V for current peak value n=30 rated value290 A; Use minimum cross-section acc. to AC-1 rated value- limited to 1 s switching at zero current maximum16 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum18 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum16 A; Use minimum cross	— at 600 V rated value	0.6 A
	operating power	
at 400 V rated value11 kW at 500 V rated value11 kW at 600 V rated value11 kW at 230 V rated value5.5 kW at 400 V rated value11 kW at 600 V rated value4.4 kW at 600 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 230 V for current peak value n=20 rated value8 kVA up to 230 V for current peak value n=20 rated value15.4 kVA operating apparent power at AC-6a5.3 kVA up to 690 V for current peak value n=30 rated value5.3 kVA up to 690 V for current peak value n=30 rated value5.3 kVA up to 690 V for current peak value n=30 rated value11.6 kVA up to 690 V for current peak value n=30 rated value12.8 kVA up to 690 V for current peak value n=30 rated value12.8 kVA up to 690 V for current peak value n=30 rated value12.8 kVA up to 690 V for current peak value n=30 rated value12.8 kVA ent to 600 V for current peak value n=30 rated value12.8 kVA ent to 600 V for current peak value n=30 rated value12.8 kVA ent to 600 V for current peak value n=30 rated value12.8 kVA ent to 600 V for current peak value n=30 rated value12.8 kVA ent to 600 V for c	• at AC-3	
at 500 V rated value11 kW at 690 V rated value11 kW• at AC-3e at 230 V rated value5.5 kW at 400 V rated value11 kW at 500 V rated value11 kW at 630 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 530 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 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 40 °C imined to 1 s switching at zero current maximum imined to 1 s switching at zero current maximum imined to 50 s switching at zero current maximum limited to 50 s	— at 230 V rated value	5.5 kW
at 690 V rated value11 kW• at AC-3e at 230 V rated value55 kW at 400 V rated value11 kW at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 230 V for current peak value n=20 rated value13.9 kVA up to 690 V for current peak value n=20 rated value15.4 kVA up to 690 V for current peak value n=30 rated value15.4 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value10.6 kVA up to 600 V for current peak value n=30 rated value10.6 kVA up to 60° C	— at 400 V rated value	11 kW
• at AC-3e- at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 600 V rated value4.4 kW- at 600 V rated value7.7 kWoperating apparent power at AC-6a8 kVA- up to 230 V for current peak value n=20 rated value13.9 kVA- up to 500 V for current peak value n=20 rated value15.4 kVA- up to 500 V for current peak value n=20 rated value15.4 kVA- up to 230 V for current peak value n=20 rated value5.3 kVA- up to 230 V for current peak value n=20 rated value15.4 kVA- up to 500 V for current peak value n=20 rated value5.3 kVA- up to 500 V for current peak value n=20 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value11.6 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.6 kVA- up to 500 V for current peak value n=30 rated value15.4 kVA	— at 500 V rated value	11 kW
- at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 500 V rated value11 kW- at 690 V rated value11 kW- at 690 V rated value11 kWoperating power for approx. 200000 operating cycles at AC-44.4 kW• at 400 V rated value7.7 kWoperating apparent power at AC-5a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a8 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a8 kVA• up to 500 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value10.6 kVA• up to 690 V for current meak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value10.6 kVA• up to 690 V for current maximum11.6 kVA• limited to 1 s switching at zero current maximum13.5 kVA• limited to 10 s switching at zero current maximum12.6 kVA• limited to 10 s switching at zero	— at 690 V rated value	11 kW
at 400 V rated value11 kW at 500 V rated value11 kW at 690 V rated value11 kW at 690 V rated value11 kW at 690 V rated value11 kW• at 400 V rated value4.4 kW• at 690 V rated value4.4 kW• at 690 V rated value7.7 kW• operating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value8 kVA• up to 690 V for current peak value n=20 rated value17.4 kVA• up to 500 V for current peak value n=20 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.6 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum12.8 k; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum12.8 k; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum12.8 k; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s s	• at AC-3e	
at 500 V rated value11 kW at 690 V rated value11 kWoperating power for approx. 200000 operating cycles at AC-411 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• up to 690 V for current peak value n=10 current maximum12.8 k.VA• limited to 1 s switching at zero current maximum21.8 k.VB eminimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum100 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
operating power for approx. 20000 operating cycles at AC-44.4 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 230 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value12.5 kVA• up to 600 V for current peak value n=30 rated value12.5 kVA• up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at ACat AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h	— at 500 V rated value	11 kW
at AC-4A A W• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 500 V for current peak value n=20 rated value5.3 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value128 X/A• up to 600 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current m	— at 690 V rated value	11 kW
• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 400 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value17.4 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a5.3 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A;		
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• up to 400 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value17.4 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 40 °C11.6 kVA• up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000	operating apparent power at AC-6a	
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up to 500 V for current peak value n=20 rated value17.4 kVAup to 690 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a5.3 kVAup to 230 V for current peak value n=30 rated value9.3 kVAup to 500 V for current peak value n=30 rated value9.3 kVAup to 500 V for current peak value n=30 rated value11.6 kVAup to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 3 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valuee at AC5 000 1/hoperating frequency1000 1/he at AC-1 maximum1 000 1/he at AC-2 maximum750 1/h		13.9 kVA
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operating apparent power at AC-6a5.3 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limi		15.4 kVA
• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state15.5 kVA• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum100 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h		
 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 690 V for current peak value n=30 rated value the KVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching a		5.3 kVA
 up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 690 V for current peak value n=30 rated value to 60 °C to 40 °C<td></td><td>9.3 kVA</td>		9.3 kVA
short-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum1 000 1/h • 1 000 1/h • 750 1/h		11.6 kVA
short-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum1 000 1/h • 1 000 1/h • 750 1/h		15.5 kVA
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum<td>short-time withstand current in cold operating state</td><td></td>	short-time withstand current in cold operating state	
 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum 128 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 1000 1/h at AC-2 maximum 750 1/h 	 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency • at AC5000 1/hoperating frequency • at AC-1 maximum1000 1/hot AC-2 maximum750 1/h	 limited to 5 s switching at zero current maximum 	299 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	 limited to 10 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency• at AC5 000 1/hoperating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	 limited to 30 s switching at zero current maximum 	128 A; Use minimum cross-section acc. to AC-1 rated value
• at AC5 000 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	 limited to 60 s switching at zero current maximum 	106 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	no-load switching frequency	
• at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h	• at AC	5 000 1/h
• at AC-2 maximum 750 1/h	operating frequency	
	• at AC-1 maximum	1 000 1/h
• at AC-3 maximum 750 1/h	• at AC-2 maximum	750 1/h
	 at AC-3 maximum 	750 1/h

• at AC 30 maximum	750 1/h
• at AC-3e maximum	
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	220 V
• at 60 Hz rated value	220 V
operating range factor control supply voltage rated	
value of magnet coil at AC	0.0 4.4
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	04.1/4
• at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	
• at 50 Hz	10.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the	
o at 50 Hz	0.25
• at 50 Hz • at 60 Hz	0.25
	0.20
closing delay	0 40 mg
• at AC	8 40 ms
opening delay	4 40
• at AC	4 16 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
	2
number of NO contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2 10 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	
number of NO contacts for auxiliary contacts instantaneous contact	
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	10 A 6 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	10 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	10 A 6 A 3 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 A 6 A 3 A 2 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	10 A 6 A 3 A 2 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	10 A 6 A 3 A 2 A 1 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 operational current at DC-12 • at 24 V rated value	10 A 6 A 3 A 2 A 1 A 10 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 60 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 20 V rated value • at 20 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 6 A 3 A 2 A 1 A 6 A 3 A 2 A 1 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 400 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 20 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 125 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 220 V rated value • at 48 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value • at 40 V rated value • at 60 V rated value • at 125 V rated value • at 220 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 60 V rated value • at 10 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 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		
— with type of coordination i required	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 	gG: 10 A (500 V, 1 kA)		
required	go. 1071 (000 V, 1101)		
Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted		
fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail		
 side-by-side mounting 	according to DIN EN 60715 Yes		
height	85 mm		
width	45 mm		
depth	141 mm		
required spacing			
with side-by-side mounting			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
for grounded parts	O min		
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
for live parts			
•	10 mm		
— forwards	10 mm		
— upwards	10 mm		
— downwards — at the side	10 mm		
	6 mm		
Connections/ Terminals			
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	$2 \times (4 - 2 + 5 - 5 - 5^2)$ $2 \times (2 + 5 - 4 + 5 - 5^2)$		
— solid	2x (1 2.5 mm ²), 2x (2.5 10 mm ²)		
— solid or stranded	2x (1 2.5 mm ²), 2x (2.5 10 mm ²)		
— finely stranded with core end processing	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²		
at AWG cables for main contacts connectable conductor cross-section for main	2x (16 12), 2x (14 8)		
contacts			
• solid	1 10 mm ²		
• stranded	1 10 mm ²		

 finely stranded 	with core end processi	ng	1 10 mm ²			
connectable conduc contacts	ctor cross-section for	auxiliary				
 solid or strande 	d		0.5 2.5 mm²			
 finely stranded 	with core end processi	ng	0.5 2.5 mm ²			
type of connectable conductor cross-sections						
 for auxiliary cor 						
— solid or stranded		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
 finely stranded with core end processing 						
at AWG cables for auxiliary contacts		2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)				
AWG number as coded connectable conductor cross		2x (20 16), 2x (18 14)				
section	ded connectable cond	uctor cross				
for main contacts		16 8				
for auxiliary contacts		20 14				
-		20 14				
Safety related data						
product function						
	 mirror contact according to IEC 60947-4-1 		Yes			
	 positively driven operation according to IEC 60947- 		No			
5-1						
B10 value with high demand rate according to SN 31920		450 000				
proportion of dangerous failures						
 with low deman 	 with low demand rate according to SN 31920 		40 %			
 with high dema 	 with high demand rate according to SN 31920 		73 %			
failure rate [FIT] with 31920	low demand rate accord	ding to SN	100 FIT			
T1 value for proof tes IEC 61508	t interval or service life	according to	20 у			
protection class IP of 60529	protection class IP on the front according to IEC		IP20			
touch protection on	the front according to	DIEC 60529	finger-safe, for vertical contact from the front			
suitability for use	<u> </u>					
 safety-related s 	witching OFF		Yes			
Certificates/ approval	-		105			
		_				
General Product Ap	proval					
		<u>Confirmation</u>		<u>KC</u>	EHC	
EMC	Functional Safety/Safety of Machinery	Declaration o	of Conformity	Test Certificates		
A	Type Examination	~ ~ ~	שוו	Type Test Certific-	Special Test Certific-	
RCM	Certificate	EG-Konf.	UK CA	<u>ates/Test Report</u>	ate	
RCM	Certificate		ĊÀ	<u>ates/Test Report</u>	ate	
Marine / Shipping	Certificate BUREAU VERITAS			ates/Test Report	<u>ate</u>	
	Certificate	EG-Konf.	Lloyds Register	ates/Test Report	<u>ate</u>	



Further information

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=3RT2026-1AN24

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AN24

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AN24

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

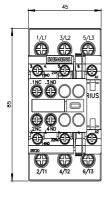
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AN24&lang=en

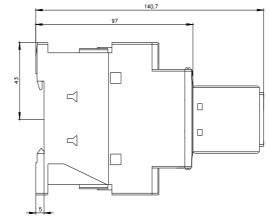
Characteristic: Tripping characteristics, I²t, Let-through current

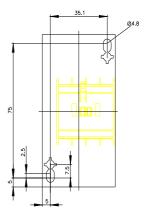
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AN24/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AN24&objecttype=14&gridview=view1







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