SIEMENS

Data sheet

3RT2026-1FB40



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 24 V DC, with pluggedin diode combination, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

product brand name SiRUS product brand designation Power contactor product spee designation SRT2 Ceneral technical data Second contactor size of contactor S0 product spee designation No - stunction module for communication No - studiary switch Yes power loss (W) for rated value of the current 5.7 W - at AC in hot operating state prople 1.9 W - without load current share typical 5.9 W - of main circuit with degree of pollution 3 rated value 690 V - of main circuit with degree of pollution 3 rated value 690 V - of auxiliary circuit rated value 68 V - of main circuit rated value 68 V - of auxiliary circuit rated value 68 V - of auxiliary circuit rated value 10g / 5 ms, 7.5g / 10 ms - at DC 15g / 5 ms, 10g / 10 ms rechanicat service life (operating cycles) 1000 000 - of the contactor with added auxiliary switch block typical 1000 000 - of the contactor with added auxiliary switch block typical 1000 000 <t< th=""><th></th><th></th></t<>		
product type designation 3RT2 General technical data	product brand name	SIRIUS
General technical data S0 size of contactor S0 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current ************************************	product designation	Power contactor
size of contactor S0 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 5.7 W • 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 insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 64 V • of auxiliary circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 100 V • of auxiliary circuit rated value 100 V • of auxiliary circuit rated value 100 V • of the contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 100 / 5 ms, 7,5g / 10 ms • at DC 15g / 5 ms, 10g / 10 ms mechanical service life (operating cycles) 10 000 000 • of	product type designation	3RT2
Product extension Product extension • function module for communication No • auxiliary switch Yes 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 • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 64V • of main circuit with degree of pollution 3 rated value 64V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary coltage for protective separation between colta and main contacts according to EN 60947-1 400 V shock resistance with sine pulse 10 000 000 • at DC 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronical	General technical data	
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• at AC in hot operating state per pole1.9 W• without load current share typical5.9 Winsulation voltage5.9 W• of main circuit with degree of pollution 3 rated value690 V• of main circuit rated value690 V• of main circuit rated value690 V• of main circuit rated value66 kV• of main circuit rated value6 kV• of main circuit rated value6 kV• of main contacts according to EN 60947-1400 V• stock resistance at rectangular impulse10g / 5 ms, 7,5g / 10 ms• at DC10g / 5 ms, 7,5g / 10 ms• at DC10g / 5 ms, 10g / 10 ms• at DC100 0000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 / 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 000• of the contactor with added auxiliary switch block typical00 000• of the contactor with added auxiliary switch block typical00 000• of the contactor with added auxiliary switch block typical00 000• of the contactor with added auxiliary switch block typical00 000 <tr< th=""><th>power loss [W] for rated value of the current</th><th></th></tr<>	power loss [W] for rated value of the current	
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Insulation voltage 6 • 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 690 V • of main circuit rated value 64 V • of main circuit rated value 64 V • of auxiliary circuit rated value 64 V • of auxiliary circuit rated value 64 V • of auxiliary circuit rated value 64 V maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 400 V • at DC 10g / 5 ms, 7,5g / 10 ms shock resistance with sine pulse 10g / 5 ms, 10g / 10 ms • at DC 15g / 5 ms, 10g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical<	 at AC in hot operating state per pole 	1.9 W
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mechanical service life (operating cycles) I0 000 000 • 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 • 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 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	shock resistance with sine pulse	
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• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	mechanical service life (operating cycles)	
auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	 of contactor typical 	10 000 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C		5 000 000
Substance Prohibitance (Date) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum ambient temperature 2 000 m • during operation -25 +60 °C	 of the contactor with added auxiliary switch block typical 	10 000 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	Substance Prohibitance (Date)	10/01/2009
ambient temperature • during operation -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage	during operation	-25 +60 °C
	during storage	-55 +80 °C
relative humidity minimum 10 %	relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 95 % 95 %		95 %
Main circuit	Main circuit	
number of poles for main current circuit 3	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	030 V
at AC-1 at 400 V at ambient temperature 40 °C rated	40 A
value	
• 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	35 A
value	
• 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	10 mm ²
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 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 rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
 at 1 current path at DC-3 at DC-5 	
•	

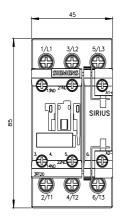
- A 110 V relative25 Å- A 120 V relative0.99 Å at 60 V relative0.99 Å at 60 V relative0.99 Å at 60 V relative35 Å at 60 V relative35 Å at 60 V relative15 Å at 60 V relative15 Å at 60 V relative16 Å at 720 V relative16 Å at 720 V relative16 Å at 720 V relative16 Å	— at 24 V rated value	20 A		
	— at 110 V rated value	2.5 A		
	— at 220 V rated value	1 A		
• with 2 current paths landics at DC-3 at DC-3S- at 24 V riad value35 A- at 10 V riad value15 A- at 20 V riad value027 A- at 20 V riad value027 A- at 400 V riad value05 A- at 400 V riad value05 A- at 400 V riad value05 A- at 400 V riad value06 A- at 400 V riad value05 A- at 400 V riad value55 KW- at 400 V riad value11 KW- at 400 V riad value55 KW- at 400 V riad value11 KW- at 400 V riad value55 KW- at 400 V riad value55 KW- at 400 V riad value13 KW- at 400 V riad value55 KW- at 400 V riad value30 X/A- at 400 V riad value55 KW- at 400 V riad value30 X/A- a	— at 440 V rated value	0.09 A		
	— at 600 V rated value	0.06 A		
- a r80 V rated value56 Å- at 110 V rated value15 Å- at 220 V rated value027 Å- at 440 V rated value027 Å- at 440 V rated value05 Å- at 420 V rated value55 Å- at 420 V rated value55 Å- at 420 V rated value05 Å- at 420 V rated value05 Å- at 420 V rated value06 Å- at 420 V rated value05 Å- at 420 V rated value05 Å- at 420 V rated value16 Å- at 420 V rated value16 Å- at 420 V rated value16 Å- at 420 V rated value55 Å- at 420 V rated value16 Å- at 420 V rated value16 Å- at 420 V rated value18 Å- at 430 V rated value55 Å- at 430 V rated value18 Å <trr>- at 430 V rat</trr>	 with 2 current paths in series at DC-3 at DC-5 			
- ait 10 V rate value15Å- ait 20V rate value00- ait 30V rate value016A- ait 30V rate value05A- ait 30V rate value35A- ait 30V rate value35A- ait 30V rate value35A- ait 30V rate value36A- ait 30V rate value35K- ait 30V rate value35K- ait 30V rate value35K- ait 30V rate value11 KW- ait 30V rate value35K- ait 40V rate value - 30 rate value35	— at 24 V rated value	35 A		
	— at 60 V rated value	35 A		
	— 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-59- at 24 V rated value35 A- at 100 V rated value35 A- at 100 V rated value36 A- at 220 V rated value0 A- at 220 V rated value0.6 A- at 230 V rated value0.6 A- at 230 V rated value5 KW- at 230 V rated value5 KW- at 230 V rated value1 KW- at 230 V rated value5 KW- at 400 V rated value1 KW- at 230 V rated value1 KW- at 340 V rated value5 KW- at 400 V rated value1 KW- at 340 V rated value5 KW- at 340 V rated value1 KW- at 340 V rated value5 KW- at 340 V rated value1 KW- at 340 V rated value1 KW- at 340 V rated value1 KW- at 340 V rated value5 KW- at 340 V rated value1 KW- at 340 V rated value5 KW- at 340 V rated value1 KW- at 340 V rated value5 KW- at 340 V rated value5 KW- at 340 V rated value3 KW- at 340 V rated value3 KW- at 340 V rated value3 SW- at 340 V rated value3 SW <trr>- at 340 V rated value3 SW</trr>	— at 440 V rated value	0.27 A		
- al 24 V raied value35 Å- al 100 V rated value35 Å- al 220 V rated value36 Å- al 220 V rated value10 Å- al 420 V rated value0.6 Å- al 420 V rated value0.6 Å- al 420 V rated value5.5 kW- al 420 V rated value11 kW- al 430 V rated value5.5 kW- al 400 V rated value11 kW- al 400 V rated value11 kW- al 600 V rated value12 kW- al 600 V rated value13 kW- al 600 V rated value5.5 kW- al 600 V rated value = 20 rated value8.4 kW- al 600 V rated value = 20 rated value8.4 kW- al 600 V rated value = 20 rated value8.4 kW- al 600 V rated value = 20 rated value8.4 kW- al 600 V rated value = 30 rated value9.3 kW- al 600 V rated value = 30 rated value9.3 kW- al 600 V rated value = 30 rated value9.3 kW- al 600 V rated value = 30 rated value9.3 kW- al 600 V rated value = 30 rated value9.3	— at 600 V rated value	0.16 A		
	 with 3 current paths in series at DC-3 at DC-5 			
- at 110 V rated value35 Å- at 220 V rated value10 A- at 220 V rated value0.6 A- at 600 V rated value0.6 A- at 620 V rated value5.5 W- at 620 V rated value11 W- at 620 V rated value11 W- at 630 V rated value12 W- at 630 V rated value14 W- at 630 V rated value13 W- at 630 V rated value ne20 rated value13 W- at 630 V for current pack value ne20 rated value13 W- at 630 V for current pack value ne20 rated value13 W- at 630 V for current pack value ne20 rated value15 W- at 630 V for current pack value ne20 rated value15 W- at 630 V for current pack value ne20 rated value15 W- at 630 V for current pack value ne20 rated value15 W	— at 24 V rated value	35 A		
	— at 60 V rated value	35 A		
	— at 110 V rated value	35 A		
	— at 220 V rated value	10 A		
operating power at AC-3 at 220 V rated value at 400 V rated value at 400 V rated value at 400 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at AC-3e at AC-3e at 230 V rated value bt W at AC-3e at 200 V rated value bt W at AC-3e at 200 V rated value bt W at AC-3e at 400 V rated value bt W at 600 V rated value bt W bt 600 V for current peak value n=20 rated value bt W bt b 500 V for current peak value n=20 rated value ft 54 KVA bt b 100 V for current peak value n=30 rated value ft 54 KVA bt b 100 V for current peak value n=30 rated value ft 64 VA bt b 000 V for current peak value n=30 rated value ft 64 VA bt b 000 V for current peak value n=30 rated value ft 64 VA bt b 000 V for current peak value n=30 rated value ft 64 VA bt 000 V for current pe	— at 440 V rated value	0.6 A		
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	— at 400 V rated value	11 kW		
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	— at 690 V rated value	11 kW		
at 400 V rated value11 kW at 500 V rated value11 kW at 680 V rated value11 kW at 680 V rated value11 kW at 680 V rated value11 kW at 400 V rated value4.4 kW at 400 V rated value4.4 kW at 680 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 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=30 rated value3.8 kVA up to 230 V for current peak value n=30 rated value15.4 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 value11.6 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 value11.6 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 value11.6 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 value11.6 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 value11.6 kVA up to 500 V for current peak value n=30 rated value10.6 kVA limited	• at AC-3e			
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• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum300 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum210 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum144 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated value• at DC1 500 1/h• at AC-1 maximum1 500 1/h• at AC-2 maximum1 000 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h				
Imited to 5 s switching at zero current maximum300 A; Use minimum cross-section acc. to AC-1 rated valueImited to 10 s switching at zero current maximum210 A; Use minimum cross-section acc. to AC-1 rated valueImited to 30 s switching at zero current maximum144 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum1500 1/hImited to 60 s zero750 1/hImited to 60 s zero250 1/h				
Imited to 10 s switching at zero current maximum210 A; Use minimum cross-section acc. to AC-1 rated valueImited to 30 s switching at zero current maximum144 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 60 s switching frequency118 A; Use minimum cross-section acc. to AC-1 rated valueImited to 20 s switching frequency1 500 1/hImited to 20 s at AC-1 maximum1 500 1/hImited to 20 s at AC-1 maximum1 000 1/hImited to 20 s at AC-2 maximum750 1/hImited to 20 s at AC-3 maximum750 1/hImited to 20 s at AC-3 maximum750 1/hImited to 20 s at AC-3 maximum250 1/hImited to 20 s at AC-4 maximum250 1/h	-			
• limited to 30 s switching at zero current maximum144 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency118 A; Use minimum cross-section acc. to AC-1 rated value• at DC1 500 1/hoperating frequency1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h	-			
• limited to 60 s switching at zero current maximum118 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency1• at DC1 500 1/hoperating frequency1• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 e maximum750 1/h• at AC-4 maximum250 1/h	-			
no-load switching frequency 1 • 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-3e maximum 250 1/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-3e maximum 250 1/h		118 A; Use minimum cross-section acc. to AC-1 rated value		
operating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h				
• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h		1 500 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				
• at AC-3 maximum 750 1/h • at AC-3e maximum 750 1/h • at AC-4 maximum 250 1/h	● at AC-1 maximum	1 000 1/h		
• at AC-3e maximum 750 1/h • at AC-4 maximum 250 1/h	• at AC-2 maximum	750 1/h		
• at AC-4 maximum 250 1/h	• at AC-3 maximum	750 1/h		
	• at AC-3e maximum	750 1/h		
Control circuit/ Control		250 1/h		
	Control circuit/ Control			

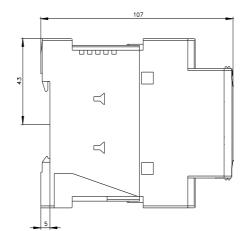
	D0
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
full-scale value	1.1
design of the surge suppressor	with diode assemblies
closing power of magnet coil at 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	1
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
 at 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	0.1-1
— at 110/120 V rated value	2 hp
— at 230 V rated value	3 hp
for 3-phase AC motor	5 hr
— 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 / P600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	

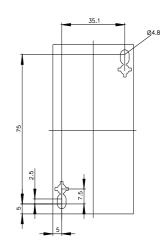
— with type of coordination 1 required	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)
 — with type of assignment 2 required 	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 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
side-by-side mounting	Yes
height	85 mm
width	45 mm
depth	107 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	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	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	$2 \times (4 - 2 + 2 \times 2) \times (2 + 4 + 2 \times 2)$
• solid	2x (1 2.5 mm ²), 2x (2.5 10 mm ²)
solid or stranded	$2x (1 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (4 2.5 mm^2), 2x (2.5 10 mm^2)$
finely stranded with core end processing connectable conductor cross-section for main contacts	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
solid	1 10 mm²
	1 10 mm ²
 stranded finally stranded with core and processing 	1 10 mm ²
finely stranded with core end processing 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 mm ²
type of connectable conductor cross-sections	0.5 2.5 mm
for auxiliary contacts	
- 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) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (0.5 1.5 mm), 2x (0.7 5 2.5 mm) 2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross	LA (LO 10), LA (10 17)
section	
for main contacts	16 8
 for auxiliary contacts 	20 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
B10 value with high demand rate according to SN 31920	450 000
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
 with high demand rate according to SN 31920 	73 %

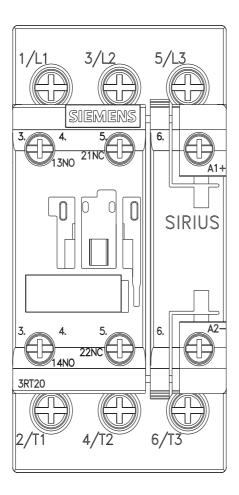
failure rate [FIT] with low	w demand rate according	to SN 31920 10	0 FIT		
T1 value for proof test in 61508	nterval or service life acco	rding to IEC 20	а		
protection class IP on	the front according to II	EC 60529 IP:	20		
touch protection on th	ne front according to IEC	60529 fin	ger-safe, for vertical contact	from the front	
suitability for use					
 safety-related sw 	vitching OFF	Ye	S		
Certificates/ approvals					
General Product App	roval				
	<u>Confirmation</u>			KC	EAC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Con	formity	Test Certificates	
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Register urs	RINA	RMRS
other		Railway	Dangerous Good	Environment	
<u>Confirmation</u>		Vibration and Shock	<u>Transport Information</u>	Environmental Con- firmations	

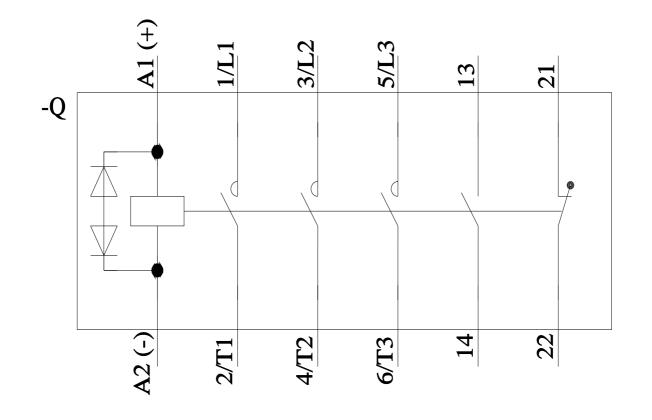
Further information
Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
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=3RT2026-1FB40
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1FB40
Service&Support (Manuals, Certificates, Characteristics, FAQs,)
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1FB40
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1FB40⟨=en
Characteristic: Tripping characteristics, I ² t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1FB40/char
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1FB40&objecttype=14&gridview=view1











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