SIEMENS

Data sheet 3RT2035-3AB00



power contactor, AC-3 40 A, 18.5 kW / 400 V 1 NO + 1 NC, 24 V AC 50 Hz, 3-pole, Size S2, Spring-type terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
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	6.6 W
• per pole	2.2 W
power loss [W] for rated value of the current without load current share typical	16 W
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 acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 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 acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2014 00:00:00
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
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

operational current	20.4
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	60 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	60 A
rated value	00 A
— up to 690 V at ambient temperature 60 °C	55 A
rated value	
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
 at AC-4 at 400 V rated value 	35 A
 at AC-5a up to 690 V rated value 	52.8 A
at AC-5b up to 400 V rated value	33.2 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	36.5 A
up to 400 V for current peak value n=20 rated	36.5 A
value	30.3 A
— up to 500 V for current peak value n=20 rated	36.5 A
value	
— up to 690 V for current peak value n=20 rated	24 A
value	
• at AC-6a	04.0.4
 up to 230 V for current peak value n=30 rated value 	24.2 A
— up to 400 V for current peak value n=30 rated	24.2 A
value	
— up to 500 V for current peak value n=30 rated	24.2 A
value	
 up to 690 V for current peak value n=30 rated value 	24 A
minimum cross-section in main circuit at maximum AC-1	16 mm²
rated value	10 111111
operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	22 A
at 690 V rated value	18.5 A
operational current	
at 1 current path at DC-1 at 24 V and a larger	FF A
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A 0.4 A
— at 440 V rated value — at 600 V rated value	0.4 A 0.25 A
with 2 current paths in series at DC-1	0.23 A
— at 24 V rated value	55 A
— at 110 V rated value	45 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	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
operational current	
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A

	— at 110 V rated value	2.5 A
## 600 V rated value	— at 220 V rated value	1 A
with 2 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.1 A
	— 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	55 A
	— at 110 V rated value	25 A
■ with 3 current paths in series at DC-3 at DC-5	— at 220 V rated value	5 A
with 3 current paths in series at DC-3 at DC-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	55 A
	— at 110 V rated value	55 A
operating power at AC-2 at 40 V rated value at 69 V rated value 11.6 kW at 69 V rated value at 69 V rated value 11.6 kW at 69 V rated value 11.6 kW at 69 V rated value at 69 V rated value poperating 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 500 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 400 A; Use minimum cross-section acc. to AC-1 rated value 506 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rated value 41 A; Use minimum cross-section acc. to AC-1 rat	— at 220 V rated value	25 A
operating power at AC-2 at 400 V rated value at AC-3 — at 230 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value 22 kW operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value 22 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 400 V for current peak value n=20 rated value up to 400 V for current peak value n=20 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 sup to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value sup to 690 V for current peak value n=30 rated value sup to 690 V for current peak value n=30 rated value sup to 690 V for current peak value n=30 rated value 400 kV-A 28.6 kV-A	— 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 590 V rated value — at 690 V roted 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 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated va	— at 600 V rated value	0.35 A
at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value 22 kW 22 kW coperating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 11.6 kW at 400 V rated value at 690 V rated value 11.6 kW 16.8 kW coperating apparent power at AC-8a 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 500 V for current peak value n=20 rated value up to 400 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 400 V for current peak value n=30 rated value up to 500 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 21 kV-A 28.6 kV-A 28	operating power	
- at 230 V rated value - at 400 V rated value - at 690 V rated value	 at AC-2 at 400 V rated value 	18.5 kW
- at 400 V rated value - at 690 V rated value - at 690 V rated value 22 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 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 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 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 30 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 10 switching frequency • at AC-1 maximum • at AC-2 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-	• at AC-3	
- 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 • 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 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 600 V for current maximum • limited to 10 s switching at zero current maximum •	— at 230 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 400 V for current peak value n=20 rated value • up to 590 V for current peak value n=20 rated value • up to 590 V for current peak value n=20 rated value • up to 590 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 S writching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 60 s switching at zero curren	— at 400 V rated value	18.5 kW
operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value to at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 400 V for current peak value n=20 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 value to 500 V for current necestal value pass or and value in thied to 1 s switching at zero current maximum initied to 10 s switching at zero current maximum initied to 30 s switching at zero current maximum initied to 40 switching at zero c	— at 500 V rated value	22 kW
at AC-4 • at 400 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 590 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 590 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 610 switching at z	— at 690 V rated value	22 kW
at 400 V rated value at 690 V rated value poerating apparent power at AC-6a up to 400 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 up to 690 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=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C Ilimited to 1 s switching at zero current maximum Ilimited to 50 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ilim		
at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 690 V for current peak value n=30 rated value up to 690 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 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilimited to 1 s switching at zero current maximum ilimited to 5 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum olimited to 60 s switching at zero current maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum Tool Iricuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 50 Hz AC at 50 Hz AC operating range factor control supply voltage rated value at 50 Hz		
operating apparent power at AC-6a • up to 230 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 • up to 690 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 500 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 • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 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 • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value 9.6 kV-A 28.6 kV-A 29 to V-A 29 to V-A 20 to V-A 20 to V-A 20 to V-A 21 to V-A 22 to V-A 23 to V-A 24 to V-A 25.2 kV-A 26.6 kV-A 27 to V-A 28.6 kV-A 28.6		
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 590 V for current peak value n=20 rated value up to 590 V for current peak value n=30 rated value up to 230 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 short-time withstand current in cold operating state up to 40 °C imitted to 1 s switching at zero current maximum imitted to 5 s switching at zero current maximum imitted to 30 s switching at zero current maximum imitted to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 60 s switching at zero current maximum b limited to 6		16.8 kW
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 poerating 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 up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilimited to 1 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 30 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ro-load switching frequency at AC operating frequency at AC-3 maximum at AC-2 maximum tat AC-3 maximum tat AC-3 maximum tat AC-3 maximum tat AC-4 maximum control circuit/ Control type of voltage of the control supply voltage rated value operating range factor control supply voltage rated value operating range factor control supply voltage rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60.8 kV-A 843 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 242 V 5000 1/h 6 A; Use minimum cross-section acc. to AC-1 rated value 6 AC 6 A; Use minimum cross-section acc. to AC-1 rated value 242 V 6 AC 6 A; Use minimum cross-section acc. to AC-1 rated value 843 A; Use minimum cross-section acc. to AC-1 rated value 844 A; Use minimum cross-section acc. to AC-1 rated value 845 A; Use minimum cross-section acc. to		
up to 500 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 500 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 up to 690 V for current peak value n=30 rated value 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 50 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum slimited to 60 s switching at zero current maximum 10 da AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated value 107 A; Use minimum cross-section acc. to AC-1 rated value 108 A; Use minimum cross-section acc. to AC-1 rated value 109 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 109 A; Use minimum cross-section acc. to AC-1 rated value 109 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 109 A; Use minimum cross-section acc. to AC-1 rated value 109 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to AC-1 rated value 100 A; Use minimum cross-section acc. to A		
• 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 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value 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 60 s		
operating apparent power at AC-6a • up to 230 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 short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 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 10-load switching frequency • at AC • at AC-1 maximum 1 200 1/h • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum 200 1/h • at AC-4 maximum 200 1/h • at AC-4 maximum 200 1/h • at AC-5 maximum • at AC-4 maximum 200 1/h • at AC-4 maximum 200 1/h • at AC-5 maximum • at AC-4 maximum 200 1/h • at AC-5 maximum • at AC-4 maximum 241 A; Use minimum cross-section acc. to AC-1 rated value 256 A; Use minimum cross-section acc. to AC-1 rated value 261 A; Use minimum cross-section acc. to AC-1 rated value 262 A; Use minimum cross-section acc. to AC-1 rated value 263 A; Use minimum cross-section acc. to AC-1 rated value 264 A; Use minimum cross-section acc. to AC-1 rated value 265 A; Use minimum cross-section acc. to AC-1 rated value 267 A; Use minimum cross-section acc. to AC-1 rated value 268 A; Use minimum cross-section acc. to AC-1 rated value 269 A; Use minimum cross-section acc. 260 A; Use minimum cross-section acc. 260 A; Use minimum cross-section acc. 260 A; Use minim		
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 690 V for current peak value n=30 rated value 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 30 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 slimited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum slimited to 60 s switching at zero current slimi	·	28.6 KV·A
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 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 60 s switching at 2ero 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		0.011/4
up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 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 60 s switching at		
up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum ilmited to 5 s switching at zero current maximum ilmited to 10 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum no-load switching frequency at AC at AC-1 maximum 1 200 1/h at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 of the control supply voltage at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz other factor control supply voltage rated value of magnet coil at AC at 50 Hz other factor control supply voltage rated value of magnet coil at AC at 50 Hz other factor current maximum 28.43 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 25 AC-1 rated value 26 AC-1 rated value 27 AC-1 rated value		
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 no-load switching frequency • at AC • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at	·	
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 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 10-load switching frequency • at AC • at AC-1 maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 rated value 5 000 1/h • at AC-1 maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-1 rated value 24 V	·	28.0 KV·A
 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 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 241 A; Use minimum cross-section acc. to AC-1 rated value 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		
 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 frequency at AC at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum othologout Jh control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 50 Hz O.8 1.1 	•	843 A: Use minimum cross-section acc. to AC-1 rated value
 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 no-load switching frequency at AC at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum ot 1000 1/h ot 1000 1/h control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 50 Hz at 50 Hz at 50 Hz at 50 Hz 	_	
 limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-5 ontrol circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 5 000 1/h 1 200 1/h 200 1/h AC AC AC 24 V Operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz at 50 Hz 		
Ilimited to 60 s switching at zero current maximum no-load switching frequency		
no-load switching frequency • at AC operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 50 Hz • at 50 Hz O.8 1.1		
 at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at Control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 50 Hz 		
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 50 Hz		5 000 1/h
 at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum 300 1/h Control circuit/ Control type of voltage of the control supply voltage AC control supply voltage at AC at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 0.8 1.1 	operating frequency	
 at AC-3 maximum at AC-4 maximum 300 1/h Control circuit/ Control type of voltage of the control supply voltage AC control supply voltage at AC at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 0.8 1.1 		1 200 1/h
■ at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage AC control supply voltage at AC ■ at 50 Hz rated value 24 V operating range factor control supply voltage rated value of magnet coil at AC ■ at 50 Hz 0.8 1.1	• at AC-2 maximum	750 1/h
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 50 Hz 0.8 1.1	• at AC-3 maximum	1 000 1/h
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz 0.8 1.1	• at AC-4 maximum	300 1/h
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz 0.8 1.1	Control circuit/ Control	
control supply voltage at AC		AC
◆ at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC ◆ at 50 Hz O.8 1.1		
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz 0.8 1.1		24 V
	operating range factor control supply voltage rated	
apparent pick-up power of magnet coil at AC	• at 50 Hz	0.8 1.1
· · · · · · · · · · · · · · · · · · ·	apparent pick-up power of magnet coil at AC	

● at 50 Hz	190 V·A
inductive power factor with closing power of the coil	100 V A
	0.72
• at 50 Hz	0.72
apparent holding power of magnet coil at AC	46.\/ A
• at 50 Hz	16 V·A
inductive power factor with the holding power of the coil	
• at 50 Hz	0.37
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
instantaneous contact	
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	40 A
at 600 V rated value	41 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	3 hp
— at 230 V rated value	7.5 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	10 hp
— at 220/230 V rated value	15 hp
— at 460/480 V rated value	30 hp
— at 575/600 V rated value	40 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 	

Installation mounting informations Mounting position Mounting position Mounting position Mounting position Mounting m	 — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required 	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)
mounting position **i580* rotation possible on vertical mounting surface: can be tilted forward and backward by +2.25 for weretical mounting surface. can be tilted forward and backward by +2.25 for weretical mounting surface. Series and snapson mounting onto 35 mm standard mounting rail according to DIN EN 60715 **idle by-side mounting		
forward and backward by #-2.2.5" on vertical mounting surface side-by-side mounting side-by-side mounting yes helight 114 mm width 55 mm depth required spacing with side-by-side mounting - forwards - forwards - downwards - downwards - at the side of grounded parts - forwards 10 mm or grounded parts - forwards - the side of mm or forwards 10 mm or forwards 10 mm or forwards - the side of mm or forwards of mine - forwards of mine - forwards of mine or forwards of mine or forwards of mine or forwards of mine or forwards of mine - forwards of mine or forwards of mine connectable conductor cross-section for main contacts or for auxiliary contacts or for savidiary contacts or for auxiliary contacts or for main contacts or for main contacts or for auxiliary contacts or for auxiliary contacts or for auxiliary contacts or for main contacts or for main contacts or for auxiliary contacts or for auxiliary contacts or for auxiliary contacts or for main contacts or for main contacts or for main contacts or for main contacts or for auxiliary contacts or for		+/-180° rotation possible on vertical mounting surface: can be tilted
side-by-side mounting	mounting position	forward and backward by +/- 22.5° on vertical mounting surface
Meight Width S5 mm S5	fastening method	
width depth	side-by-side mounting	Yes
required spacing with side-by-side mounting	height	114 mm
required spacing with side-by-side mounting -forwards - upwards - downwards - at the side of orgrounded parts - forwards - upwards - ownwards - upwards - ownwards - upwards - ownwards -	width	55 mm
• with side-by-side mounting	depth	130 mm
forwards upwards upwards upwards upwards upwards upwards upwards upwards forwards upwards upward	required spacing	
- upwards	with side-by-side mounting	
- downwards - at the side - 0 mm - 0	— forwards	10 mm
- at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards • for live parts - forwards - upwards - downwards - for main current circuit - for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - for auxiliary contacts - f	— upwards	10 mm
• for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - forwards - upwards - forwards - upwards - downwards - downwards - downwards - downwards - downwards - downwards - at the side - downwards - at the side - downwards - at the side - domnards - at the side - domnards - at the side - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil - for main current circuit - for main current circuit - for main current circuit - at contactor for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid or stranded - finely stranded with core end processing - finely stranded with core e	— downwards	10 mm
	— at the side	0 mm
- upwards - at the side - downwards • for live parts - forwards - forwards - downwards - at the side - domnoction/Terminals type of electrical connection • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • at confactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts • for auxiliary contacts • for main contacts	for grounded parts	
- at the side - downwards • for live parts - forwards - upwards - upwards - downwards - at the side - downwards - at the side - formands - at the side - formands - at the side - at the side - at the side - formands - at the side - at the side - at the side - formands **To main current circuit - at contactor for auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil **To main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts **Soline stranded with core end processing - and AWG cables for main contacts **Solid or stranded - finely stranded with core end processing - finely stranded - finel	— forwards	10 mm
of rilive parts of or live parts of or rowards of orwards of owards of owards owards	— upwards	10 mm
• for live parts — forwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts	— at the side	6 mm
- forwards	— downwards	10 mm
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for for auxiliary contacts • for main contacts • for main contacts • for main contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts	 for live parts 	
- downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts AWG cubbes for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for main contacts • for main contacts • for mainliary contacts 18 1 20 14	— forwards	10 mm
- at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for main contacts • for main contacts • for main i contacts • for auxiliary contacts • for main i contacts • for auxiliary contacts	— upwards	10 mm
type of electrical connection • for main current circuit • at contactor or auxiliary contacts • for main contacts - solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contac	— downwards	10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • otan enductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded without core end processing — finely stranded without core end processing • at AWG cables for auxiliary contacts • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts - for auxiliary contacts - for main contacts • for auxiliary contacts - for main contacts • for auxiliary contacts - for auxiliary contacts - for auxiliary and contacts - for auxiliary and contacts - for auxilia	— at the side	6 mm
for main current circuit in or auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections	Connections/ Terminals	
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts finely stranded with core end processing at AWG cables for main contacts solid or stranded with core end processing at IAWG cables for main contacts finely stranded with core end processing solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts — solid or stranded — solid or stranded — finely stranded with core end processing for auxiliary contacts at AWG cables for auxiliary contacts AWG number as coded connectable conductor crosssection for main contacts for main contacts for main contacts for main contacts for auxiliary contacts 		
 at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded at AWG cables for main contacts finely stranded with core end processing at AWG cables for main contacts finely stranded with core end processing finely stranded with core end processing solid or stranded finely stranded with core end processing solid or stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts — solid or stranded finely stranded with core end processing for auxiliary contacts — solid or stranded finely stranded with core end processing finely stranded with core end processing at AWG cables for auxiliary contacts at AWG number as coded connectable conductor crosssections for main contacts for main contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for main contacts for auxiliary contacts 	type of electrical connection	
of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts • solid or stranded • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts • solid or stranded — solid or stranded — solid or stranded — solid or stranded		screw-type terminals
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts — solid or stranded AWG cables for auxiliary contacts • at AWG cables for auxiliary contacts • at AWG cables for auxiliary contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 2x (1 25 mm²) 2x (1 25 mm²) 2x (1 25 mm²) 2x (20 14)	for main current circuit	**
• for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • at including the processing of the proc	for main current circuitfor auxiliary and control circuit	spring-loaded terminals
- solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • at AWG cables for main contacts • finely stranded with core end processing • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 2	for main current circuitfor auxiliary and control circuitat contactor for auxiliary contacts	spring-loaded terminals Spring-type terminals
- finely stranded with core end processing • at AWG cables for main contacts 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) connectable conductor cross-section for main contacts • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 2x (1 25 mm²), 1x (1 35 mm²) 1 35 mm² 2x (18 2), 1x (18 1) 2x (18 2), 1x (18 2) 2x (18 2), 1x (18	 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil 	spring-loaded terminals Spring-type terminals
at AWG cables for main contacts connectable conductor cross-section for main contacts a finely stranded with core end processing connectable conductor cross-section for auxiliary contacts a solid or stranded a finely stranded with core end processing a finely stranded without core end processing b finely stranded without core end processing a finely stranded without core end processing b for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded with core end process	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections	spring-loaded terminals Spring-type terminals
connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end proces	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts	spring-loaded terminals Spring-type terminals Spring-type terminals
contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — finely stranded without core end processing — solid or stranded 2x (0.5 2.5 mm²) 4x AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 20 14	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²)
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing 2x (0.5 2.5 mm²) — tinely stranded without core end processing 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 4x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 4x (0.5 2.5 mm²) 5x (0.5 2.5 mm²) 5x (0.5 2.5 mm²) 6x (0.5 2.5 mm²) 7x (0.5 2.5 mm²)	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
 contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing at AWG cables for auxiliary contacts at AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 1 for auxiliary contacts 20 14 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)
 finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing at AWG cables for auxiliary contacts at AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 1 for auxiliary contacts 20 14 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)
• finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm²
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 14)	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm²
 for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 14) 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 1.5 mm²
 — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing ■ at AWG cables for auxiliary contacts ■ at AWG number as coded connectable conductor cross section ■ for main contacts ■ for auxiliary contacts 2x (0.5 2.5 mm²) 2x (20 14) AWG number as coded connectable conductor cross section ■ for main contacts ■ for auxiliary contacts 20 14 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 1.5 mm²
 — finely stranded with core end processing — finely stranded without core end processing — at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section — for main contacts — for auxiliary contacts 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 1.5 mm²
 — finely stranded without core end processing at AWG cables for auxiliary contacts at AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 1 for auxiliary contacts 20 14 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing efinely stranded with core end processing finely stranded with core end processing efinely stranded without core end processing tinely stranded without core end processing	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 1.5 mm²
 at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 1 20 14 	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts e finely stranded with core end processing connectable conductor cross-section for auxiliary contacts e solid or stranded e finely stranded with core end processing e finely stranded with core end processing e finely stranded with core end processing e finely stranded without core end processing e finely stranded without core end processing e for auxiliary contacts	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm²
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 2.5 mm²)
section	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²)
• for auxiliary contacts 20 14	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing — for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²)
•	 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²)
Safety related data	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — finely stranded with core end processing — finely stranded without core end processing — at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section	spring-loaded terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 1.5 mm² 0.5 2.5 mm² 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²)
	for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts	spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 0.5 1.5 mm² 0.5 2.5 mm² 2x (0.5 2.5 mm²)

_
Yes
1 000 000
40 %
73 %
100 FIT
No
20 y
IP20
finger-safe, for vertical contact from the front
Yes

Certificates/ approvals

General Product Approval

EMC













Functional
Safety/Safety of
Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate



UK Declaration of Conformity Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping













other

Confirmation

Confirmation

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=3RT2035-3AB00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-3AB00

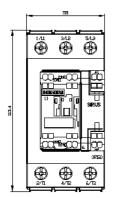
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

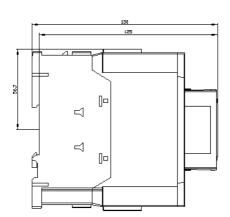
https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3AB00

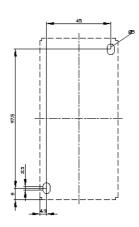
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

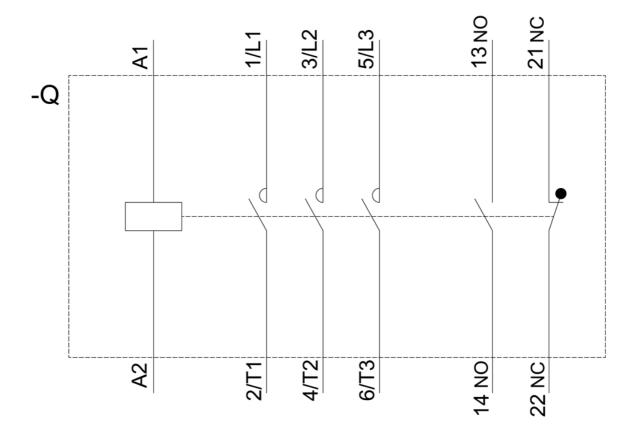
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2035-3AB00\&lang=en}}$

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3AB00/char









last modified: 12/21/2020 🖸