SIEMENS

Data sheet 3RT2017-2LB41



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V DC, 0.7-1.25* Us, with integrated varistor, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00

SIRIUS
Coupling contactor
3RT2
S00
No
No
1.5 W
0.5 W
2.8 W
quadratic
690 V
690 V
6 kV
6 kV
400 V
7.3g / 5 ms, 4.7g / 10 ms
11,4g / 5 ms, 7,3g / 10 ms
30 000 000
Q
10/01/2009
0.317 kg
2 000 m
-25 +60 °C
-55 +80 °C
10 %
95 %
Yes
153 kg

global warming potential [CO2 eq] during manufacturing	1.42 kg
global warming potential [CO2 eq] during manufacturing	152 kg
global warming potential [CO2 eq] after end of life	-0.305 kg
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
at AC-5a up to 690 V rated value	19.4 A
at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	7.2 A
 up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value 	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
— up to 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value	6.7 A
at AC-6a	0.1 A
— up to 230 V for current peak value n=30 rated value	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated	4 mm²
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	20 A
— at 60 V rated value	20 A

	20.4
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	0.5 A
— at 110 V rated value	0.15 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	0.35 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
operating power	
at AC-2 at 400 V rated value	5.5 kW
• at AC-3	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
• at AC-3e	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-	
4	
 at 400 V rated value 	2 kW
at 690 V rated value	2.5 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	2.8 kVA
 up to 400 V for current peak value n=20 rated value 	4.9 kVA
 up to 500 V for current peak value n=20 rated value 	6.2 kVA
• up to 690 V for current peak value n=20 rated value	8 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1.9 kVA
• up to 400 V for current peak value n=30 rated value	3.3 kVA
• up to 500 V for current peak value n=30 rated value	4.1 kVA
• up to 690 V for current peak value n=30 rated value	5.7 kVA
short-time withstand current in cold operating state up to	
40 °C	
 limited to 1 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	123 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	96 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximumlimited to 30 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value 74 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 30 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximumlimited to 60 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum Iimited to 60 s switching at zero current maximum no-load switching frequency	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at DC	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum Iimited to 60 s switching at zero current maximum no-load switching frequency at DC operating frequency	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h
Imited to 30 s switching at zero current maximum Imited to 60 s switching at zero current maximum Ino-load switching frequency at DC Indicate the switching at zero current maximum Ino-load switching frequency at AC-1 maximum	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h 1 000 1/h
Imited to 30 s switching at zero current maximum Imited to 60 s switching at zero current maximum Ino-load switching frequency at DC Indicate the switching at zero current maximum The switching frequency The switching at zero current maximum The s	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h 1 000 1/h 750 1/h
Imited to 30 s switching at zero current maximum Imited to 60 s switching at zero current maximum Ino-load switching frequency at DC Indicate the switching at zero current maximum To-load switching frequency To at DC Indicate the switching at zero current maximum To at DC To at DC To at DC To at DC To at AC-1 maximum To at AC-2 maximum To at AC-3 maximum	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h 1 000 1/h 750 1/h 750 1/h
Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ino-load switching frequency at DC Indicate the action of the switching at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at DC Indicate the switching at zero current maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum	74 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h 1 000 1/h 750 1/h 750 1/h

type of voltage of the control supply voltage at DC control supply voltage at DC rated value 24 V operating range factor control supply voltage rated value of magnet coil at DC	control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	24 V 0.7 1.25 with varistor 2.8 W 2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.25 design of the surge suppressor closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC closing delay • at DC 25 130 ms opening delay • at DC 7 20 ms arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 600 V rated value • at 690 V rated value • at 480 V rated value • at 600 V rated value • at 1100 V rated value • at 600 V rated value	operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	0.7 1.25 with varistor 2.8 W 2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
magnet coll at DC • initial value • full-scale value 1,25 design of the surge suppressor closing power of magnet coil at DC 2,8 W holding power of magnet coil at DC 2,8 W coloring delay • at DC 2,8 W copening delay • at DC 2,8 W control version of the switch operating mechanism control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 40 V rated value • at 50 V rated value • at 50 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 20 V rated value • at 60 V rated value	magnet coil at DC initial value full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay at DC opening delay at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value	1.25 with varistor 2.8 W 2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
• initial value • full-scale value 1,25 design of the surge suppressor closing power of magnet coil at DC 2,8 W holding power of magnet coil at DC 2,8 W closing delay • at DC 2,5 130 ms opening delay • at DC 3 20 ms arcing time 10 15 ms control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 460 V rated value • at 460 V rated value • at 489 V rated value • at 489 V rated value • at 480 V rated value • at 48 V rated value • at 48 V rated value • at 410 V rated value • at 410 V rated value • at 410 V rated value • at 480 V rated value • at 480 V rated value • at 410 V rated value • at 610 V rated value	initial value full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay	1.25 with varistor 2.8 W 2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
design of the surge suppressor closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W closing delay • at DC 2.8 W copening delay • at DC 7 20 ms arcing time 10 15 ms control version of the switch operating mechanism Auxillary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 2 Auxillary circuit 10 A operational current at AC-15 • at 230 V rated value 10 A 11 A 12 A 13 A 14 SOU V rated value 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay	with varistor 2.8 W 2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 10 V rated value • at 48 V rated value • at 10 V rated value • at 48 V rated value • at 60 V rated value	closing power of magnet coil at DC holding power of magnet coil at DC closing delay	2.8 W 2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
holding power of magnet coil at DC closing delay	holding power of magnet coil at DC closing delay	2.8 W 25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
closing delay	closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	25 130 ms 7 20 ms 10 15 ms Standard A1 - A2
■ at DC Opening delay ■ at DC T 20 ms arcing time	at DC opening delay at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value	7 20 ms 10 15 ms Standard A1 - A2
opening delay	opening delay	7 20 ms 10 15 ms Standard A1 - A2
■ at DC	at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value	10 15 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 250 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value	arcing time control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	10 15 ms Standard A1 - A2
control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 20 V rated value • at 220 V rated value • at 24 V rated value	control version of the switch operating mechanism Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	Standard A1 - A2
Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value	number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value	number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	
contact operational current at AC-12 maximum 10 A operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value 1 A oat 600 V rated value 1 A oat 220 V rated value 1 A operational current at DC-13	contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	
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 6 A • at 48 V rated value 6 A • at 60 V rated value 3 A • at 110 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 	 operational current at AC-15 at 230 V rated value at 400 V rated value 	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 6 A • at 48 V rated value 6 A • at 60 V rated value 3 A • at 110 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 	 operational current at AC-15 at 230 V rated value at 400 V rated value 	
 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 24 V rated value 	at 230 V rated valueat 400 V rated value	
 at 500 V rated value at 690 V rated value 1 A operational current at DC-12 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 220 V rated value at 220 V rated value at 24 V rated value at 24 V rated value 		10 A
 at 690 V rated value operational current at DC-12 at 24 V rated value at 8 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 24 V rated value at 24 V rated value 	(500)/ () /	3 A
operational current at DC-12 • at 24 V rated value	at 500 V rated value	2 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value 10 A 	at 690 V rated value	1 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 24 V rated value 10 A 	operational current at DC-12	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value 10 A 	• at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value 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	6 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value 10 A 	at 60 V rated value	6 A
 at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value 10 A 	 at 110 V rated value 	3 A
at 600 V rated value One at 24 V rated value	• at 125 V rated value	2 A
operational current at DC-13 ● at 24 V rated value 10 A	• at 220 V rated value	1 A
• at 24 V rated value 10 A	at 600 V rated value	0.15 A
	operational current at DC-13	
at 48 V rated value	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		
design of the miniature circuit breaker for short-circuit protection C characteristic: 10 A; 0.4 kA of the auxiliary circuit up to 230 V		C cnaracteristic: 10 A; 0.4 kA
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	·	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 11 A		11 A
• at 600 V rated value 11 A	• at 600 V rated value	11 A
yielded mechanical performance [hp]	yielded mechanical performance [hp]	
• for single-phase AC motor		
— at 110/120 V rated value 0.5 hp	— at 110/120 V rated value	0.5 hp
— at 230 V rated value 2 hp	— at 230 V rated value	2 hp
• for 3-phase AC motor	• for 3-phase AC motor	
— at 200/208 V rated value 3 hp	— at 200/208 V rated value	3 hp
— at 220/230 V rated value 3 hp	— at 220/230 V rated value	3 hp
— at 460/480 V rated value 7.5 hp	— at 460/480 V rated value	7.5 hp
— at 575/600 V rated value 10 hp	— at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL A600 / Q600	contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	Short-circuit protection	
design of the fuse link		
for short-circuit protection of the main circuit	design of the fuse link	
— with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)	for short-circuit protection of the main circuit	

— with type of assignment 2 required	aG: 204 (690)/ 100k4) aM: 164 (690)/ 100k4) BS99: 204 (445)/ 90k4)
 — with type of assignment 2 required for short-circuit protection of the auxiliary switch required 	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	90. 10 h (000 v, 1 hh)
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
mounting position	backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	70 mm
width	45 mm
depth	73 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	spring-loaded terminals
 for auxiliary and control circuit 	spring-loaded terminals
 at contactor for auxiliary contacts 	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (0.5 4 mm²)
— solid or stranded	2x (0,5 4 mm²)
 finely stranded with core end processing 	2x (0.5 2.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
for AWG cables for main contacts	2x (20 12)
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid or stranded	2x (0,5 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 12)
AWG number as coded connectable conductor cross section	
• for main contacts	20 12
for main contacts for auxiliary contacts	20 12
Safety related data	ZV 1Z
 product function mirror contact according to IEC 60947-4-1 	No
■ Hillion Contact according to IEC 00947-4-1	INO

No
Yes
Yes
20 a
Yes
40 %
73 %
1 000 000
100 FIT
3
Yes
Type A
IP20
finger-safe, for vertical contact from the front



General Product Approval





Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping











Miscellaneous

other

other Railway **Dangerous goods Environment**

Confirmation

Confirmation

Special Test Certific-<u>ate</u>

Transport Information



Environmental Con-firmations

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=3RT2017-2LB41

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2017-2LB41}$

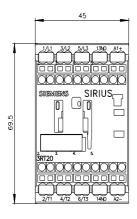
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

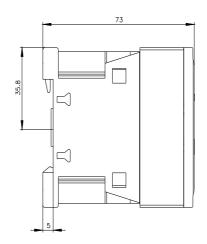
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2LB41

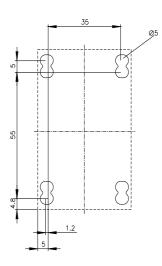
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

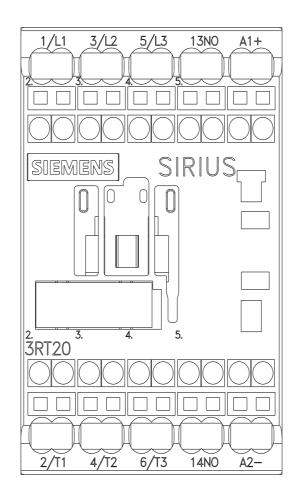
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-2LB41&lang=en

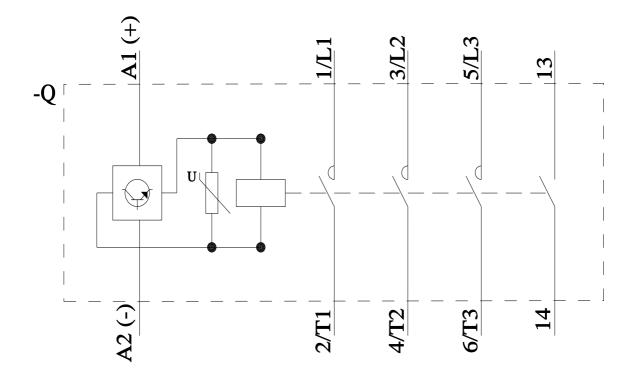
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2LB41/char











last modified: 1/24/2025 🖸