SIEMENS

Data sheet 3RT2015-2WB41



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, 0.85-1.85 * Us, with varistor plugged on, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00, not expandable with auxiliary switch

product brand name	SIRIUS
product designation	Coupling contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
 function module for communication 	No
auxiliary switch	No
power loss [W] for rated value of the current	
 at AC in hot operating state 	0.6 W
 at AC in hot operating state per pole 	0.2 W
 without load current share typical 	1.6 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V

 at AC-3e rated value maximum 	690 V
operational current	000 V
at AC-1 at 400 V at ambient temperature 40 °C rated	18 A
• at AC-1 at 400 v at ambient temperature 40 °C rated value	10 /
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	18 A
value	
— up to 690 V at ambient temperature 60 °C rated	16 A
value	
• at AC-3	7.0
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	7.0
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-4 at 400 V rated value	6.5 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	15.8 A
• at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	4.0
— up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
— up to 500 V for current peak value n=20 rated value	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
• at AC-6a	0.7.4
— up to 230 V for current peak value n=30 rated value	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm ²
operational current for approx. 200000 operating cycles at	
AC-4	
• at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
and the second s	
operational current	
operational current ● at 1 current path at DC-1	
at 1 current path at DC-1 at 24 V rated value	15 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value 	15 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value 	15 A 1.5 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value 	15 A 1.5 A 0.6 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value 	15 A 1.5 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 	15 A 1.5 A 0.6 A 0.42 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 	15 A 1.5 A 0.6 A 0.42 A 0.42 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value 	15 A 1.5 A 0.6 A 0.42 A 0.42 A
 at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value 	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 110 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 240 V rated value at 340 V rated value at 340 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 15 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 140 V rated value at 440 V rated value at 440 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 8.4 A 1.2 A 0.6 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 240 V rated value at 340 V rated value at 340 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 8.4 A 1.2 A 0.6 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value with 3 current paths in series at DC-1	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 110 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 16 A 1.2 A 0.6 A 0.5 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 440 V rated value at 600 V rated value at 110 V rated value at 24 V rated value at 24 V rated value at 25 V rated value at 26 V rated value at 440 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 1.2 A 0.6 A 0.5 A 15 A 15 A 15 A 15 A 15 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 440 V rated value at 600 V rated value at 24 V rated value at 24 V rated value at 24 V rated value at 600 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 1.2 A 0.6 A 0.5 A 15 A 15 A 15 A 15 A 15 A
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 24 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 440 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A 15 A 15 A 15 A 10 A 10 A 10 A 11 A 11 A 11 A 11 A 11
at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 24 V rated value at 60 V rated value at 440 V rated value at 60 V rated value at 600 V rated value	15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 1.2 A 0.6 A 0.5 A 15 A 15 A 15 A 15 A 15 A 15 A 15 A

— at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.14 A
— at 600 V rated value	0.14 A
operating power	
• at AC-3	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	1.15 kW
at 690 V rated value	1.15 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	1.5 kVA
 up to 400 V for current peak value n=20 rated value 	2.7 kVA
 up to 500 V for current peak value n=20 rated value 	3.3 kVA
 up to 690 V for current peak value n=20 rated value 	4.3 kVA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	1 kVA
 up to 400 V for current peak value n=30 rated value 	1.8 kVA
 up to 500 V for current peak value n=30 rated value 	2.2 kVA
• up to 690 V for current peak value n=30 rated value	2.9 kVA
short-time withstand current in cold operating state up to 40 $^{\circ}\text{C}$	
 limited to 1 s switching at zero current maximum 	120 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	86 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	67 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 30 s switching at zero current maximum	52 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.85
full-scale value	1.85
design of the surge suppressor	with varistor
closing power of magnet coil at DC	1.6 W
holding power of magnet coil at DC	1.6 W
closing delay	1.O VV
moany neray	

# ID C	100	05 400
**I DC 5 - 20 ms		25 120 MS
across 10		5. 00
Control version of the switch operating mechanism Standard A1 - A2		
Assiliary circuit unable of No Conlacts for susiliary contacts instantaneous contact contact poperational current at AC-12 existing at 230 V rated value at 230 V rated value at 260 V rated value at 270 V rated value at		
		Standard A1 - A2
Departament AC-12 maximum 10 A Departament AC-15		4
Operational current at AC-15		'
ent 2/30 V rated value	operational current at AC-12 maximum	10 A
• at 400 V rated value	operational current at AC-15	
e at 690 V rated value 9 at 690 V rated value 1 A operational current at DC-12 • 12 4 V rated value • 10 A • 11 40 V rated value • 11 40 V rated value • 12 A • 12 5 V rated value • 12 A • 12 5 V rated value • 12 A • 12 5 V rated value • 12 A • 12 5 V rated value • 12 A • 12 5 V rated value • 12 A • 12 6 V rated value • 13 6 V rated value • 14 6 V rated value • 15 A • 16 8 V rated value • 16 A • 16 8 V rated value • 17 A • 18 5 V rated value • 18 6 V rated value • 19 A • 10 A • 11 5 V rated value • 10 A • 11 6 V rated value • 10 A • 11 6 V rated value • 10 A • 11 6 V rated value • 10 A • 11 12 F V rated value • 11 15 F P • 11 12 F V rated value • 12 D V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 11 12 F V rated value • 12 F P • 12 F V rated value • 12 F P • 13 F V rated value • 12 F P • 13 F	at 230 V rated value	10 A
• at 890 V rated value oparational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 25 V rated value • at 25 V rated value • at 250 V rated value • at 2600 V rated value • at 2600 V rated value • at 27 V rated value • at 28 V rated value • at 32 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value •	• at 400 V rated value	3 A
10 A at 84 V rated value	at 500 V rated value	2 A
• at 24 V rated value	at 690 V rated value	1 A
at 48 V rated value	operational current at DC-12	
at 160 V rated value	at 24 V rated value	10 A
at 110 V rated value	at 48 V rated value	6 A
at 125 V rated value	• at 60 V rated value	6 A
• at 220 V rated value	• at 110 V rated value	3 A
• at 600 V rated value	• at 125 V rated value	2 A
e at 24 V rated value	• at 220 V rated value	1 A
• at 24 V rated value 2 A • at 80 V rated value 2 A • at 80 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 250 V rated value 0.9 A • at 260 V rated value 0.1 A • at 260 V rated value 0.1 A • at 260 V rated value 0.1 A • at 480 V rated value 0.1 A • at 480 V rated value 0.1 A • at 480 V rated value 4.8 A • at 600 V rated value 4.8 A • at 600 V rated value 4.8 A • at 600 V rated value 5.1 A • at 480 V rated value 9.1 A • at 600 V rated value 9.1 A • at 200 V rated value 9.1 A • at 200 V rated value 9.7 A • at 480 V rated value 9.7 A • at 576 600 V rated value 9.7 A • at 600 V rated value 9.7 A • at 576 600 V rated value 9.7 A • at 576 600 V rated value 9.7 A • at 787 A • at 480 V rated value 9.7 A • at 787 A • at 600 V rated value 9.7 A • at 787 A	at 600 V rated value	0.15 A
at 48 V rated value	operational current at DC-13	
• at 160 V rated value	• at 24 V rated value	10 A
** at 110 V rated value	at 48 V rated value	2 A
	at 60 V rated value	2 A
at 220 V rated value but ontact 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 at 600 V rated value for single-phase AC motor at 100 V rated value at 600 V rated value but on at 2200 V rated value at 230 V rated value of or single-phase AC motor at 230 V rated value but on at 220028 V rated value at 220028 V rated value but on at 220028 V rated value at 25000 V rated value but on at 460480 V rated value at 460480 V rated value but on at 460480 V rated value but on at 460480 V rated value but on at 575/600 V rate	• at 110 V rated value	1 A
• at 600 V rated value 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 • at 600 V rated value • at 600 V rated value • at 110/120 V rated value • for 3-phase AC motor — at 1110/120 V rated value • for 3-phase AC motor — at 220 V rated value • for 3-phase AC motor — at 220 V rated value • for 3-phase AC motor — at 220/230 V rated value • at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position #/-180* rotation possible on vertical mounting surface; can be tiltled forward and backward by +/-22.5° on vertical mounting surface; can be tiltled forward and backward by +/-22.5° on vertical mounting surface fastening method • side-by-side mounting width 45 mm depth required spacing	• at 125 V rated value	0.9 A
contact reliability of auxiliary contacts If faulty switching per 100 million (17 V, 1 mA) Installation/ mounting/ dimensions full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • of r single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — with yee of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting required spacing	• at 220 V rated value	0.3 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 200/208 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) • for short-circuit protection of the auxiliary switch required screw and snap-on mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method • side-by-side mounting * side-by-side mounting ### 45 mm depth required spacing	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
	UL/CSA ratings	
installation/ mounting/ dimensions installation/ mounting/ dimensions mounting position installation/ mounting/ dimensions mounting position installation/ mounting dimensions media 4.5 mm installation/ mounting	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 0.75 hp • for 3-phase AC motor — at 220/230 V rated value 1.5 hp — at 220/230 V rated value 2 hp — at 460/480 V rated value 3 hp — at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 9 for short-circuit protection of the auxiliary switch required 1nstallation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface side-by-side mounting width 45 mm depth required spacing	• at 480 V rated value	4.8 A
• for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 0.75 hp • for 3-phase AC motor — at 220/208 V rated value 1.5 hp — at 220/230 V rated value 2 hp — at 460/480 V rated value 3 hp — at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • for short-circuit protection of the auxiliary switch required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface • side-by-side mounting ### 180° rotation possible on vertical mounting surface fastening method • side-by-side mounting ### 180° rotation possible on vertical mounting surface fastening method • side-by-side mounting ### 180° rotation possible on vertical mounting surface fastening method • side-by-side mounting ### 180° rotation possible on vertical mounting surface ### 180° rotation possible on vertical	at 600 V rated value	6.1 A
- at 110/120 V rated value - at 230 V rated value - at 230 V rated value - of 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 60/480 V rated value - at 60/480 V rated value - at 675/600 V rated value - at 60/480 V rated value - at 675/600 V rated value - with type of auxiliary contacts according to UL Short-circuit protection design of the fuse link - for short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection - with type of assignment 2 required - gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - gG: 35A (690V,100kA), aM: 20A (690V,100kA), aM: 20A (690V,100	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value	 for single-phase AC motor 	
for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — 8600 / Q600 Short-circuit protection design of the fuse link — for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required — for short-circuit protection of the auxiliary switch required — for short-circuit protection of the auxiliary switch required — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required — for short-circuit protection of the auxiliary switch required — with type of assignment 2 req	— at 110/120 V rated value	0.25 hp
- at 200/208 V rated value 1.5 hp - at 220/230 V rated value 2 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 70 mm width 45 mm depth 121 mm required spacing	— at 230 V rated value	0.75 hp
- at 220/230 V rated value 2 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • for short-circuit protection of the auxiliary switch required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted forward and backward by +/- 22.5° on vertical mounting surface; can be filted for	◆ for 3-phase AC motor	
- at 460/480 V rated value - at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • for short-circuit protection of the auxiliary switch required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; on be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; on be tilted forward and backward by +/- 22.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 22.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be tilted forward and backward by +/- 21.5° on vertical mounting surface; on be t		·
- at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • with type of assignment 2 required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position 4-/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method 5crew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting 70 mm width 45 mm depth 121 mm required spacing		2 hp
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting • side-by-side mounting width 45 mm depth required spacing		
design of the fuse link		·
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting height 70 mm width depth 121 mm required spacing		A600 / Q600
for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions Width		
- with type of coordination 1 required	_	
— with type of assignment 2 required of or short-circuit protection of the auxiliary switch required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) of or short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 of side-by-side mounting yes height 70 mm width 45 mm depth required spacing	·	
Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method		
mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method • side-by-side mounting Yes height 70 mm width 45 mm depth 121 mm required spacing	<u> </u>	gG: 10 A (500 V, 1 kA)
backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes height 70 mm width 45 mm depth 121 mm required spacing		
● side-by-side mounting height 70 mm width 45 mm depth required spacing	mounting position	
height 70 mm width 45 mm depth 121 mm required spacing	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width 45 mm depth 121 mm required spacing	side-by-side mounting	Yes
depth 121 mm required spacing	height	70 mm
required spacing	width	45 mm
	depth	121 mm
with side-by-side mounting	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	
at contactor for auxiliary contacts	spring-loaded terminals
•	Spring type terminals
of magnet coil type of connectable conductor cross sections for main contacts.	Spring-type terminals
type of connectable conductor cross-sections for main contacts	2v (0 F 4 mm²)
• solid	2x (0.5 4 mm²)
solid or stranded finally stranded with core and precessing.	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)
connectable conductor cross-section for main contacts	0.5 4 2
• 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	20 42
• for main contacts	20 12
• for auxiliary contacts	20 12
Safety related data	
product function	N.
mirror contact according to IEC 60947-4-1	No
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	40.07
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
suitability for use	
safety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	



Confirmation





<u>KC</u>



	Functional
EMC	Safety/Safety of Ma-
	chinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good

Environment



Confirmation



Vibration and Shock

Transport Information

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-2WB41

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2WB41

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2WB41

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

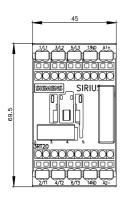
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-2WB41&lang=en

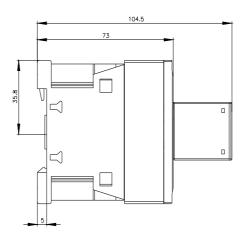
Characteristic: Tripping characteristics, I2t, Let-through current

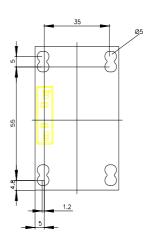
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2WB41/char

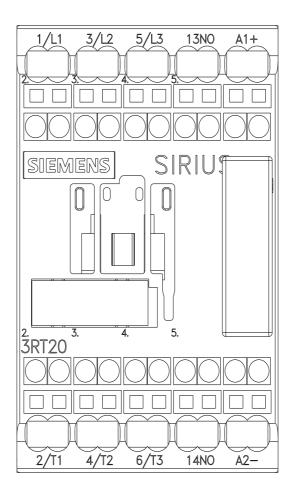
Further characteristics (e.g. electrical endurance, switching frequency)

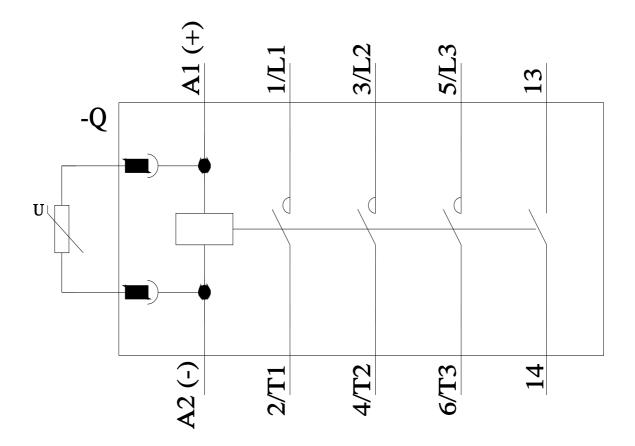
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2WB41&objecttype=14&gridview=view1











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