SIEMENS

Data sheet 3RT2015-2AV02



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 400 V AC, 50/60 Hz, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00,

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
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 	0.6 W
 at AC in hot operating state per pole 	0.2 W
without load current share typical	4.2 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 AC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3

3
690 V
690 V
18 A
18 A
40.4
16 A
7 A
6 A
4.9 A
7.071
7 A
6 A
4.9 A
6.5 A
15.8 A
5.8 A
4 A
4 A
3.8 A
3.6 A
2.7 A
2.7 A
2.5 A
2.4 A
2.5 mm ²
0.0.4
2.6 A
1.8 A
1.8 A
1.8 A 15 A
1.8 A 15 A 15 A
1.8 A 15 A 15 A 1.5 A
1.8 A 15 A 15 A 1.5 A 0.6 A
1.8 A 15 A 1.5 A 0.6 A 0.42 A
1.8 A 15 A 1.5 A 0.6 A 0.42 A
1.8 A 15 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A
1.8 A 15 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A
1.8 A 15 A 1.5 A 1.5 A 0.6 A 0.42 A 0.42 A
1.8 A 15 A 1.5 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 15 A
1.8 A 15 A 1.5 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 15 A 16 A 17 A 18 A
1.8 A 15 A 1.5 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 15 A
1.8 A 15 A 1.5 A 1.5 A 0.6 A 0.42 A 1.5 A
1.8 A 15 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 1.5 A 1.5 A 1.5 A
1.8 A 15 A 1.5 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
1.8 A 15 A 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
1.8 A 15 A 1.5 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 15 A 15 A 1.5 A 1.5 A 1.5 A 1.5 A 1.5 A
1.8 A 15 A 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

at 24 V rated value	
- at 110 V rated value 0.1 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 3.5 A - at 10 V rated value 0.25 A • with 3 current paths in series at DC-3 at DC-5 - at 24 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 110 V rated value 1.2 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-2 at 400 V rated value 3 kW • at AC-3 - at 230 V rated value 3 kW - at 690 V rated value 3 kW - at 690 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW • at AC-3e - at 230 V rated value 3 kW - at 690 V rated value 3 kW - at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
• with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 110 V rated value • with 3 current paths in series at DC-3 at DC-5 — 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 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 600 V rated value — at 600 V rated value • at AC-2 at 400 V rated value • at AC-3 — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 400 V rated value — at 690 V rated value	
- at 24 V rated value 3.5 A - at 60 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 60 V rated value 15 A - at 110 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 - at 600 V rated value 3 kW • at AC-3 15 kW - at 400 V rated value 3 kW - at 600 V rated value 3 kW • at AC-30 - at 230 V rated value 3 kW - at 690 V rated value 4 kW • at AC-30 - at 230 V rated value 3 kW - at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
- 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 120 V rated value 1.2 A - at 440 V rated value 0.14 A - at 600 V rated value 0.14 A - at 600 V rated value 0.14 A operating power • at AC-2 at 400 V rated value 3 kW • at AC-3 - at 230 V rated value 3 kW - at 600 V rated value 3 kW - at 500 V rated value 4 kW • at AC-3e - at 230 V rated value 1.5 kW - at 400 V rated value 3 kW - at 690 V rated value 4 kW	
 — at 110 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 110 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 AC-2 at 400 V rated value • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 600 V rated value — at 600 V rated value — at 230 V rated value — at 400 V rated value — at 600 V rated value — at 600 V rated value — at 230 V rated value — at 230 V rated value — at 600 V rated value — at 200 V rated value — at 200 V rated value — at 200 V rated value — at 400 V rated value — at 600 V rated value <	
• with 3 current paths in series at DC-3 at DC-5 — 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 600 V rated value — at 600 V rated value — at 600 V rated value • at AC-2 at 400 V rated value • at AC-3 — 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 AC-3 — at 230 V rated value — at 690 V rated value • at AC-3 — at 250 V rated value — at 690 V rated value • at AC-3 — at 250 V rated value • at AC-3 — at 250 V rated value • at AC-3 — at 250 V rated value • at AC-3 — at 250 V rated value • at AC-3 — at 250 V rated value — at 690 V rated value	
- 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 220 V rated value 0.14 A - at 600 V rated value 0.14 A operating power • at AC-2 at 400 V rated value 3 kW • 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 3 kW - at 690 V rated value 4 kW • at AC-3e - at 250 V rated value 3 kW - at 690 V rated value 4 kW • at 690 V rated value 3 kW - at 690 V rated value 3 kW - at 690 V rated value 3 kW - at 690 V rated value 4 kW • at 690 V rated value 3 kW - at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
- at 110 V rated value 1.2 A - at 220 V rated value 0.14 A - at 600 V rated value 0.14 A operating power • at AC-2 at 400 V rated value 3 kW • 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 AC-3e - at 230 V rated value 3 kW - at 690 V rated value 4 kW • at AC-3e - at 230 V rated value 3 kW - at 690 V rated value 4 kW • at AC-3e - at 230 V rated value 3 kW - at 690 V rated value 3 kW - at 690 V rated value 4 kW - at 690 V rated value 3 kW - at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
- at 110 V rated value 1.2 A - at 220 V rated value 0.14 A - at 600 V rated value 0.14 A operating power • at AC-2 at 400 V rated value 3 kW • 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 AC-3e - at 230 V rated value 3 kW - at 690 V rated value 4 kW • at AC-3e - at 230 V rated value 3 kW - at 690 V rated value 4 kW • at AC-3e - at 230 V rated value 3 kW - at 690 V rated value 3 kW - at 690 V rated value 4 kW - at 690 V rated value 3 kW - at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
- at 220 V rated value - at 440 V rated value 0.14 A 0.14 A operating power ■ at AC-2 at 400 V rated value 3 kW ■ 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 3 kW — at 690 V rated value 3 kW — at 690 V rated value 3 kW ■ at AC-3e - at 230 V rated value 3 kW — at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
- at 440 V rated value 0.14 A operating power	
operating power	
 at AC-2 at 400 V rated value at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at AC-3e — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value 	
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at AC-3e at 230 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 600 V rated value at 600 V rated value at 600 V rated value 	
— at 230 V rated value — 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 3 kW — at 690 V rated value 4 kW	
 — at 400 V rated value — at 500 V rated value — at 690 V rated value 4 kW • at AC-3e — 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 4 kW Operating power for approx. 200000 operating cycles at AC- 	
— 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-	
— at 690 V rated value ■ at AC-3e — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value Operating power for approx. 200000 operating cycles at AC-	
● at AC-3e — 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 Operating power for approx. 200000 operating cycles at AC-	
- 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-	
— 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-	
— at 500 V rated value 3 kW — at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
— at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-	
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 °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 AC 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 AC	
control supply voltage at AC	
• at 50 Hz rated value 400 V	
• at 60 Hz rated value 400 V	
operating range factor control supply voltage rated value of magnet coil at AC	

● at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	27 VA
• at 60 Hz	24.3 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.75
apparent holding power of magnet coil at AC	
• at 50 Hz	4.2 VA
• at 60 Hz	3.3 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
● at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact	'
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	1A
operational current at DC-12	- 77
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 115 V rated value at 125 V rated value	2 A
at 123 V rated value at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	0.15 A
•	40.4
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	4.8 A
at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
• for 3-phase AC motor	
— 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	

• for short-circuit protection of the main circuit with type of assignment 2 required gG; 38A (860V; 100kA), aM; 20A (860V; 100kA), BSSB; 33A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (850V; 100kA), BSSB; 20A (415V; 800kA) gG; 20A (850V; 100kA), aM; 18A (85		
with type of coordination 1 required	design of the fuse link	
— with type of assignment 2 required 6 gG: 20A (800V, 100kA), 8358: 20A (415V, 800KA) established for the autiliary switch required gG: 10 A (800V, 10kA), 8358: 20A (415V, 800KA) established for the autiliary switch required gG: 10 A (800V, 10kA), 8358: 20A (415V, 800KA) established for the autiliary switch required becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and becomend 10 Pc 225° on vertical mounting surface, can be titled forward and become and seal of the surface and seal on the same and seal of the surface and seal of the surface and seal on the same and seal of the surface and seal of th		TO: 05A (000)(400)A) -M: 00A (000)(400)A) B000; 05A (445)(00)A)
For soln circuit protection of the auxiliary switch required mounting position 1	**	
Mounting position		gG: 10 A (500 V, 1 KA)
Selective processing		1/4000 retation receible on ventical recording sources can be tilted forward and
Meight	mounting position	
helph 70 mm width 45 mm dopth 73 mm required spacing *** * with sicb-by-side mounting *** - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 20 mm - forwards 20 mm - for waxilary and control circut sprin	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width 45 mm dopth 73 mm required spacing *** * with side-by-side mounting *** - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - for live parts 10 mm - for live parts 10 mm - for live parts 10 mm - for wards 10 mm - for live parts 10 mm - for wards 10 mm - for main current creatl 5 pring-loaded terminals * for auxiliary and control creatl spring-loaded terminals • for auxiliary and control creatl spring-loaded terminals • for main current creatl spring-loaded terminals • for main cortacts conductor cross-sections for main contacts <	side-by-side mounting	Yes
depth 78 mm required spacing ************************************	height	70 mm
with side by side mounting	width	45 mm
with side-by-side mounting — forwards — upwards — at the side of or grounded parts — at the side of or grounded parts — upwards — upwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — downwards — downwards — forwards — forwards — forwards — upwards	depth	73 mm
- forwards	required spacing	
- upwards - downwards - at the side • for grounded parts - forwards - upwards - downwards - downwards - downwards - downwards - for live parts - forwards - for live parts - forwards - upwards - upwards - upwards - upwards - downwards - for main current circuit - for main current circuit - for a main yand control circuit - at toothactor for auxiliary contacts - of magnet coil type of connectable conductor cross-sections for main contacts - solid - solid or standed - finely stranded with core end processing - solid or stranded - 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 - 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 - 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 - 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 - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - solid or stran	with side-by-side mounting	
- downwards - at the side - 0 mm - 1	— forwards	10 mm
• for grounded parts - for grounded parts - for grounded parts - upwards - at the side - downwards • for live parts - forwards - upwards - forwards - upwards - forwards - upwards - downwards - upwards - downwards - at the side - downwards - upwards - downwards - at the side - downwards - at the side - memorations/Tominals **Tominals** **Solid or suxiliary contacts **Solid or stranded **Tominals** **Tomin	·	10 mm
forwards		0 mm
- upwards		
- at the side — downwards — 10 mm — 10		
of live parts on wards	•	
• for live parts — lorwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for for application of the side of the		
forwards		IO IIIIII
- upwards	·	40
The side 6 mm Connections/ Terminals type of electrical connection of for main current circuit of or auxiliary and control circuit of magnet coil type of auxiliary and control circuit of magnet coil type of connectable conductor cross-section for main contacts osolid or stranded of finely stranded with core end processing of inely stranded with core end processing of inely stranded with core end processing of finely stranded with core end processing of or auxiliary contacts of or auxiliary contacts of or auxiliary contacts of or auxiliary contacts of or AWG cables for auxiliary contacts of or AWG cables for auxiliary contacts of or	•	
Connections/ Terminals type of electrical connection spring-loaded terminals of or main current circuit spring-loaded terminals at contactor for auxiliary and control circuit spring-type terminals of magnet coil Spring-type terminals type of connectable conductor cross-sections for main contacts Spring-type terminals solid or stranded 2x (0.5 4 mm²) e solid or stranded with core end processing 2x (0.5 2.5 mm²) e finely stranded with core end processing 2x (0.5 2.5 mm²) connectable conductor cross-section for main contacts solid e stranded 0.5 4 mm² e stranded with core end processing 0.5 4 mm² e finely stranded with core end processing 0.5 2.5 mm² connectable conductor cross-section for auxiliary contacts 0.5 4 mm² e solid or stranded 0.5 4 mm² e finely stranded with core end processing 0.5 2.5 mm² connectable conductor cross-sections 0.5 4 mm² e finely stranded with core end processing 0.5 4 mm² e for auxiliary contacts 2x (0,5 2.5 mm²) e for auxiliary contacts		
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 • solid or stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • for ouxiliary 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 procesing • for native stranded with core end processing • for auxili		O Hilli
• 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 • solid or stranded • finely stranded with core end processing • finely stranded without 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 • stranded • solid • stranded • finely stranded with core end processing • finely stranded without 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 • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for maxiliary contacts • for auxiliary contacts • f		
of rauxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid	••	spring-loaded terminals
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid solid of stranded finely stranded with core end processing finely stranded without core end processing solid stranded solid of stranded finely stranded without core end processing solid solid solid solid solid solid stranded solid s		
of magnet coil type of connectable conductor cross-sections for main contacts		
type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • solid • stranded without core end processing • finely stranded without core end processing • solid • stranded • stranded • finely stranded with core end processing • finely stranded without core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts	•	
solid solid or stranded solid or stranded with core end processing sofinely stranded with core end processing sonied without core end processing solid solid stranded stranded stranded stranded stranded with core end processing solid stranded stranded solid or stranded with core end processing stranded stranded stranded without core end processing solid or stranded without core end processing solid or stranded without core end processing solid or stranded solid or stranded with core end processing solid or stranded with core end processing solid or stranded without core end processing solid or stranded with core end processing solid or stranded Augustiany contacts solid or stranded with core end processing solid or stranded so	· · · · · · · · · · · · · · · · · · ·	string the comment
 solid or stranded finely stranded with core end processing finely stranded without core end processing 2x (0.5 2.5 mm²) connectable conductor cross-section for main contacts solid 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 with core end processing finely stranded without core end processing for auxiliary contacts for auxiliary contacts for auxiliary contacts finely stranded with core end processing for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts for main contacts for main contacts for main contacts for auxiliary contacts for auxiliary contacts for main contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for main contacts for auxiliary contacts 		2x (0.5 4 mm²)
• finely stranded without core end processing connectable conductor cross-section for main contacts • solid • stranded • stranded	solid or stranded	
connectable conductor cross-section for main contacts • solid • stranded • stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without 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 • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - finely stranded with core end processing 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) • for main contacts • for main contacts • for main contacts • for auxiliary contacts 20 12 • for auxiliary contacts	 finely stranded with core end processing 	
 solid stranded finely stranded with core end processing finely stranded without core end processing finely stranded without 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 for auxiliary contacts for auxiliary contacts for alight stranded with core end processing 2x (0,5 4 mm²) x (0,5 2.5 mm² x (0,5 2.5 mm²) x (0,	 finely stranded without core end processing 	2x (0.5 2.5 mm²)
 stranded finely stranded with core end processing finely stranded without core end processing o.5 2.5 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 for auxiliary contacts for auxiliary contacts finely stranded with core end processing finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for main contacts for auxiliary contacts 20 12 for auxiliary contacts Safety related data 	connectable conductor cross-section for main contacts	
 finely stranded with core end processing finely stranded without core end processing 0.5 2.5 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 for auxiliary contacts finely stranded with core end processing 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) 4 MWG cables for auxiliary contacts for AWG cables for auxiliary contacts for main contacts for main contacts for auxiliary contacts Safety related data Safety related data	• solid	0.5 4 mm²
 finely stranded without 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 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 for AWG cables for auxiliary contacts for main contacts for main contacts for auxiliary contacts 20 12 for auxiliary contacts 20 12 	• stranded	0.5 4 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 2x (0,5 4 mm²) - 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 AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) • for AWG number as coded connectable conductor cross section • for main contacts - for auxiliary contacts -	 finely stranded with core end processing 	0.5 2.5 mm²
 solid or stranded finely stranded with core end processing finely stranded without 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 — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 Safety related data	 finely stranded without core end processing 	0.5 2.5 mm²
 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 — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 20 12 Safety related data 	connectable conductor cross-section for auxiliary contacts	
 ◆ 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 — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section ◆ for main contacts ← for auxiliary contacts 20 12 Safety related data 	 solid or stranded 	0.5 4 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 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 • for auxiliary contacts 20 12 • for auxiliary contacts 20 12 Safety related data	 finely stranded with core end processing 	0.5 2.5 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 • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 Safety related data	finely stranded without core end processing	0.5 2.5 mm²
- solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 Safety related data	type of connectable conductor cross-sections	
 — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 Safety related data 	•	
— finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 Safety related data		
• for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data 2x (20 12) 20 12 20 12		
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 20 12 Safety related data		
section		2x (20 12)
• for main contacts • for auxiliary contacts 20 12 20 12 Safety related data		
• for auxiliary contacts 20 12 Safety related data		20 12
Safety related data		
	<u> </u>	
product function	product function	

 mirror contact according to IEC 60947-4-1 	Yes
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
failure rate [FIT] with low 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>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Cer**tificate**





Type Test Certificates/Test Report

Special Test Certific-

Marine / Shipping













Marine / Shipping

other

Confirmation



Confirmation

Vibration and Shock

Railway

Environmental Confirmations

Environment

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=3RT2015-2AV02

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2AV02

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2AV02

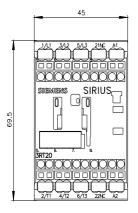
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

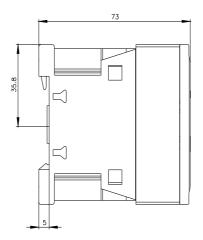
Characteristic: Tripping characteristics, I2t, Let-through current

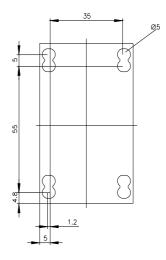
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2AV02/char

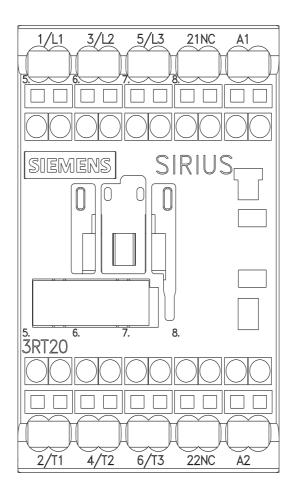
Further characteristics (e.g. electrical endurance, switching frequency)

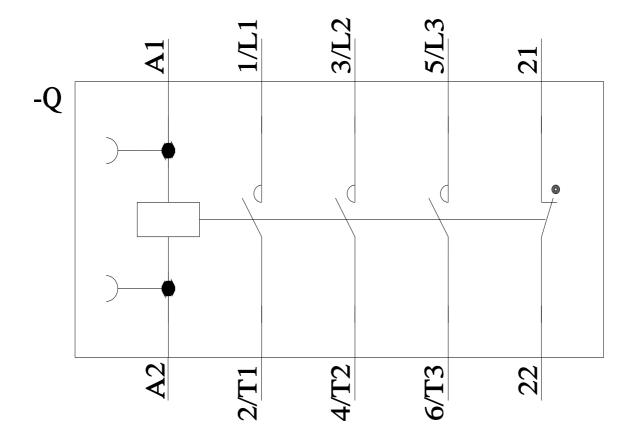
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2AV02&objecttype=14&gridview=view1











last modified: 2/10/2023 🖸