SIEMENS

Data sheet

3RT2026-1BG40



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 125 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

6/13	
product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.7 W
 at AC in hot operating state per pole 	1.9 W
 without load current share typical 	5.9 W
type of calculation of power loss depending on pole	quadratic
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	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.595 kg
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 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	221 kg
global warming potential [CO2 eq] during manufacturing	2.65 kg
global warming potential [CO2 eq] during operation	219 kg
global warming potential [CO2 eq] after end of life	-0.639 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 value	40 A
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
 — at 690 V rated value • at AC-3e 	13 A
• at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-4 at 400 V rated value	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
 — up to 500 V for current peak value n=20 rated value 	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
• at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	13.5 A
 up to 400 V for current peak value n=30 rated value 	13.5 A
 — up to 500 V for current peak value n=30 rated value 	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	9 A
at 690 V rated value	9 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
- at 60 V rated value	20 A
- at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
 — at 600 V rated value with 2 current paths in series at DC-1 	0.25 A
with 2 current paths in series at DC-1 — at 24 V rated value	35 A
— at 24 V rated value — at 60 V rated value	35 A 35 A
— at 110 V rated value	35 A 5 A
— at 220 V rated value — at 440 V rated value	5 A 1 A
— at 600 V rated value	0.8 A
	0.0 A

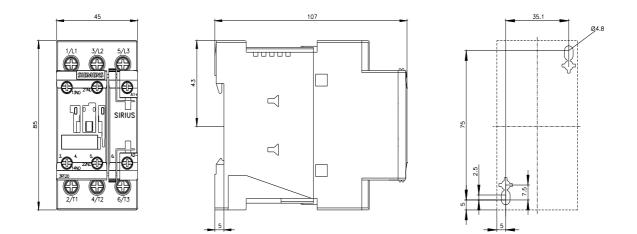
 with 3 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
• with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	0.0 A
at AC-2 at 400 V rated value	11 kW
• at AC-3	
- at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
• at AC-3e	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC- 4	
 at 400 V rated value 	4.4 kW
at 400 V rated value	7.7 kW
operating apparent power at AC-6a	
	8 kVA
 up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value 	3.9 kVA
up to 500 V for current peak value n=20 rated value	17.4 KVA
• up to 690 V for current peak value n=20 rated value	15.4 kVA
operating apparent power at AC-6a	E 0 13/4
• up to 230 V for current peak value n=30 rated value	5.3 KVA
• up to 400 V for current peak value n=30 rated value	9.3 KVA
• up to 500 V for current peak value n=30 rated value	11.6 kVA
• up to 690 V for current peak value n=30 rated value	15.5 kVA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value
-	
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum 	300 A; Use minimum cross-section acc. to AC-1 rated value 210 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	144 A; Use minimum cross-section acc. to AC-1 rated value
-	
 limited to 60 s switching at zero current maximum 	118 A; Use minimum cross-section acc. to AC-1 rated value

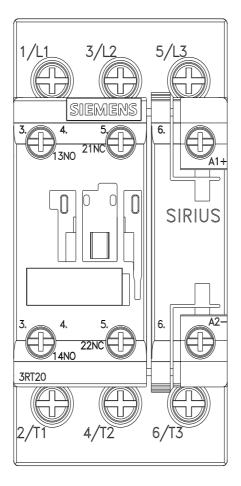
no-load switching frequency	
• at DC	1 500 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
● at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	125 V
operating range factor control supply voltage rated value of magnet coil at DC	
 initial value 	0.8
• full-scale value	1.1
closing power of magnet coil at DC	5.9 W
holding power of magnet coil at DC	5.9 W
closing delay	
• at DC	50 170 ms
opening delay	
• at DC	15 18 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	21 A
at 600 V rated value	22 A
yielded mechanical performance [hp]	
for single-phase AC motor	
or single-phase AC motor — at 110/120 V rated value	2 hn
	2 hp
	2 hn
— at 230 V rated value	3 hp
	3 hp 5 hp

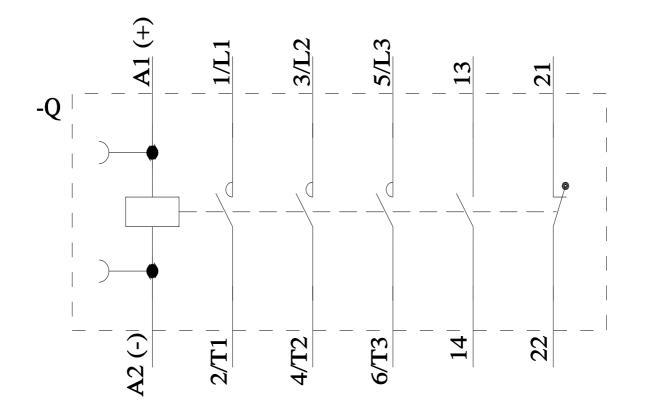
	— at 220/230 V rated value	7.5 hp
contracting of auxiliary contacts according to UL A600 / P000 Start strating of auxiliary contacts according to UL A600 / P000 Characteristic: 10 A, 0.4 IA Characteristic: 10 A, 0.4 IA every of the face link every of accordination of the main accuration accuration of the main accuration of the main accura		
Stand-Cloud problem Characteristic: 10 A, 0.4 kA of the swilling viscul up to 230 V Characteristic: 10 A, 0.4 kA design of the task link: For short-chrout protection of the main circuit - with type of coordination 1 required gG: 10 A (890 V, 100 kA), add. 50 A (890 V, 100 kA), BSBE 100 A (415 V, 80 QA); - with type of coordination 1 required gG: 10 A (890 V, 100 kA), add. 50 A (890 V, 100 kA), BSBE 100 A (415 V, 80 QA); Statisticities and the switch required gG: 10 A (800 V, 1 kA) Statisticities and the switch required gG: 10 A (800 V, 1 kA); Statisticities and the main circuit is switch required gG: 10 A (800 V, 1 kA); Statistic method switch mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface; can be titled forward and biological possible on vertical mounting surface;		•
design of the missium circuit broaker for shoch circuit protection of the auxiliary carue to 23.9 V C characteristic: 10 A: 0.4 kA design of the fuse link • for shoch circuit protection of the min dictuit - with type of coordination 1 required G: 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (415 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 kA), BS86: 100 A (416 V, 80 g); 100 A (600 V, 100 kA), akt: 50 A (650 V, 100 KA), BS86: 100 A (416 V, 80 g); 100 A (600 V, 100 KA), akt: 50 A (650 V, 100 KA), BS86: 100 A (416 V, 80 g); 100 A (600 V, 100 KA), akt: 50 A (650 V, 100 KA), BS86: 100 A (416 V, 80 g); 100 A (600 V, 100 KA), akt: 100 A (600 V, 100 KA), akt: 100 A (600 KA), akt: 100 A (600 K		
design of the fues link. of stort-focal protection de main actual get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 por stort-focal protection of the auxiliary switch required get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 por stort-focal protection of the auxiliary switch required get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 post stort-focal protection of the auxiliary switch required get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 post stort-focal protection of the auxiliary switch required get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 post stort-focal protection of the auxiliary switch required get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 post stort-focal protection of the auxiliary switch required get. 100 A (690 V, 100 kA), a.M. 50 A (690 V, 100 kA), BSS8: 100 A (415 V, 80 post stort-focal protection of the auxiliary switch required post stort-focal protection of the auxiliary	design of the miniature circuit breaker for short-circuit protection	C characteristic: 10 A; 0.4 kA
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with type of coordination 1 required with type of coordination 1 required (), (10 0, (10 0, 10, 10, 10, 10, 10, 10, 10, 10, 10	-	
ick) ick) ick of chick protection of the auxiliary switch required get 100 (400 V, 14k)) Installation mounting dimensions ick (400 V, 14k)) mounting position ick (400 V, 14k) fastering method isde-by-side mounting ves fastering method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 holght 45 mm depth 107 mm required spacing interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 interview and snap-on mounting to the snap and snap and to the sold <t< td=""><td>-</td><td>2C: 100 A (200 V 100 KA) 2N; 50 A (200 V 100 KA) DS20; 100 A (415 V 20</td></t<>	-	2C: 100 A (200 V 100 KA) 2N; 50 A (200 V 100 KA) DS20; 100 A (415 V 20
Instaliation mounting dimensions +180° rotation possible on vertical mounting surface: can be titled forward and backward by +2.22° in vertical mounting surface. fastening method side-by-aloa mounting Yes fastening method side-by-aloa mounting Yes fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 45 mm depth 107 mm required spacing • with side-by-alde mounting - forwards 10 mm - downwards 10 mm </td <td>— with type of coordination if required</td> <td></td>	— with type of coordination if required	
meunting position +/160° rotation possitio or vertical mounting surface; can be illed forward and backword by //.22.8° or vertical mounting surface; can be illed forward and backword by //.22.8° or vertical mounting surface; can be illed forward and backword by //.22.8° or vertical mounting surface; can be illed forward and backword by //.22.8° or vertical mounting surface; can be illed forward and backword by //.22.8° or vertical mounting surface; can be illed forward and backword by //.22.8° or vertical mounting surface; can be illed forward by //.22.8° or verthype terminals surface where terminals surface wher	 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Instrument of side-by-side mounting Ves fastening method side-by-side mounting Yes fastening method side-by-side mounting Simm width 45 mm depth 107 mm required spacing 0 mm - forwards 10 mm - downwards 0 mm - downwards 0 mm - downwards 10 mm - for nain current circuit <ts< td=""><td>Installation/ mounting/ dimensions</td><td></td></ts<>	Installation/ mounting/ dimensions	
fastening method Yes fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 85 mm width 45 mm depth 107 mm required spacing 107 mm - upwards 10 mm - downwards 10 mm - at he side 6 mm Or maxiliary and control circuit screw-type terminals of main current circuit screw-type terminals of maxiliary co	mounting position	
festening method acrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 85 mm width 45 mm depth 107 mm required spacing 10 mm - upwards 10 mm - downwards 10 mm - downwards </td <td></td> <td>, , , , , , , , , , , , , , , , , , ,</td>		, , , , , , , , , , , , , , , , , , ,
height 95 mm with 45 mm depth 107 mm requided spacing 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downards 10 mm - downards 10 mm - upwards 10 mm - downards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 5 mm Yee of electrical connection screw-type terminals of maxiliary and control circuit screw-type terminals yee of on main current circuit screw-type terminals of maxiliary contacts Screw-type terminals of maxiliary and control circuit screw-type terminals of maxiliary contacts Screw-type terminals <		
width 46 mm dopth 107 mm required spacing 107 mm • with side-by-side mounting - - forwards 10 mm - upwards 10 mm - downwards 00 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 2 mm </td <td></td> <td></td>		
depth 107 mm required spacing 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - at the side 0 mm - at the side 6 mm - downwards 10 mm - downwards		
required spacing • with side-by-side mounting - forwards - upwards 10 mm - downwards - downwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 10 mm - upwards - downwards 10 mm - at the side 6 mm - downwards 10 m		
with side-by-side mounting	•	
- forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 0 mm - for grounded parts 0 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - for auxiliary and contol		
upwards10 mm downwards0 mm drowards0 mm for grounded parts forwards10 mm upwards10 mm upwards10 mm at the side6 mm downwards10 mm downwards10 mm forwards10 mm forwards10 mm forwards10 mm upwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards5 mmConnections/Torminals5 mmYppe of electrical connection5 mm for auxiliary and control circuitscrew-type terminals for auxiliary contactsScrew-type terminals solid2x (1 25 mm?), 2x (25 10 mm?) solid1 10 mm² for AWG cables for main contacts2x (16 12), 2x (14 8)connectable conductor cross-section for main contacts2x (16 12), 2x (14 8)connectable conductor cross-sections1 10 mm² for auxiliary contacts2x (0.5 15 mm?), 2x (0.75 25 mm?) solid or stranded0.5 2.5 mm² for auxil		10 mm
- downwards 10 mm - at the side 0 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - downwards 50		
• for grounded parts - forwards 10 mm - upwards 10 mm - upwards 6 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 0 mm - downwards screw-type terminals if or main cortexts Screw-type terminals • of auxiliary and control circuit screw-type terminals • of auxiliary contacts Screw-type terminals • of auxiliar contacts 2x (1 25 mm ²), 2x (25 10 mm ²) <td></td> <td></td>		
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm for auxiliary contacts screw-type terminals • for main contracts screw-type terminals • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals • of main contacts screw-type terminals • of auxiliary contacts Screw-type terminals • of auxiliary contacts Screw-type terminals • of auxiliary contacts Screw-type terminals • for AWG cables for main contacts Scr (1 2.5 mm ²), 2x		
		10 mm
	— upwards	10 mm
• for live parts 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connactions/ Terminals screw-type terminals type of electrical connection screw-type terminals • for auxiliary and control circuit screw-type terminals • of magnet coll Screw-type terminals • of magnet coll Screw-type terminals • of main contacts Scr (1 2.5 mm ²), 2x (2.5 10 mm ²) - solid or stranded Screw-type terminals • for AWG cables for main contacts Scr (1 2.5 mm ²), 2x (2.5 10 mm ²) • for AWG cables for auxiliary contacts Scr (1 2.5 mm ²), 2x (2.5 10 mm ²) • solid or stranded 1 10 mm ² • finely stranded with core end processing 1 10 mm ² • finely stra		6 mm
forwards 10 mm upwards 10 mm downwards 6 mm Connections/Terminals 6 mm Connections/Terminals 5 crew-type terminals for auxiliary and control circuit screw-type terminals of magnet coll Screw-type terminals of magnet coll Screw-type terminals of for main contacts Screw-type terminals oslid 2x (1 2.5 mm ³), 2x (2.5 10 mm ³) solid or stranded 2x (1 2.5 mm ³), 2x (2.5 10 mm ³) solid or stranded 2x (1 2.5 mm ³), 2x (2.5 10 mm ³) solid or stranded 2x (1 2.5 mm ³), 2x (2.5 6 mm ³), 1x 10 mm ² finely stranded with core end processing 2x (1 2.5 mm ³), 2x (2.5 6 mm ³), 1x 10 mm ² solid 1 10 mm ³ finely stranded with core end processing 0.5 2.5 mm ³	— downwards	10 mm
- downwards 10 mm - at the side 6 mm Connections/Terminals 6 mm type of electrical connection screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coll Screw-type terminals • of magnet coll Screw-type terminals • of magnet coll Screw-type terminals • of onnoctable conductor cross-sections • • of or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²) • for AWG cables for main contacts 2x (1 2.5 mm²), 2x (2.5 10 mm²) • solid 1 10 mm² • stranded 1 10 mm² • stranded 1 10 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm²) • finely stranded wi		10 mm
at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • of magnet coll Screw-type terminals • of main contacts Screw-type terminals • of main contacts Screw-type terminals • of main contacts Screw-type terminals • for main contacts Screw-type terminals • action of stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²) • for AWG cables for main contacts 2x (1 2.5 mm²), 2x (2.5 10 mm²) • solid or stranded 1 10 mm² • solid 1 10 mm² • solid or stranded 1 10 mm² • solid or stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • for auxiliary contacts - solid or stranded • for alxiliary contacts - solid or stranded • for alxiliary contacts - solid or stranded • for auxiliary contacts - solid or stranded • for auxiliary con	— upwards	10 mm
Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals • of main contracts Screw-type terminals • of main contacts Screw-type terminals • of main contacts Screw-type terminals • of main contacts Screw-type terminals • solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²) • for AWG cables for main contacts 2x (1 2.5 mm²), 2x (2.5 10 mm²) • solid stranded 1 10 mm² • stranded 1 10 mm² • stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • for auxiliary contacts - solid or stranded - solid or stranded 2	— downwards	10 mm
type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals type of connectable conductor cross-sections • for main contacts - solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² • for AWG cables for main contacts 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² • solid 1 10 mm² • solid 1 10 mm² • solid or stranded 1 10 mm² • stranded 1 10 mm² • finely stranded with core end processing 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • for auxiliary contacts - solid or stranded • for ally stranded with core end processing 0.5 2.5 mm² • for auxiliary contacts - solid or stranded • for auxiliary contacts - solid or stranded • for auxiliary contacts - solid or stranded	— at the side	6 mm
 for main current circuit screw-type terminals at contactor for auxiliary contacts of magnet coll Screw-type terminals for main contacts - solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² oconnectable conductor cross-section for main contacts solid 1 10 mm² stranded 1 10 mm² finely stranded with core end processing 1 10 mm² osolid or stranded 0.5 2.5 mm² osolid or stranded 0.5 2.5 mm² osolid or stranded 0.5 2.5 mm² finely stranded with core end processing of auxiliary contacts a solid or stranded 0.5 2.5 mm² osolid or stranded 0.5 2.5 mm² for auxiliary contacts a solid or stranded 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³) a solid or stranded 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³) a solid or stranded 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³) a solid or stranded a solid or stranded a solid or stranded a solid or stranded b for AWG cables for auxiliary cont	Connections/ Terminals	
• for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals type of connectable conductor cross-sections - • for main contacts - - solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² • for AWG cables for main contacts 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² • for AWG cables for main contacts 2x (1 12), 2x (14 8) connectable conductor cross-section for main contacts 1 10 mm² • solid or stranded 1 10 mm² • finely stranded with core end processing 1 10 mm² • solid or stranded 0.5 2.5 mm² • for auxiliary contacts 50 mm² • for auxiliary contacts 50 mm² • for auxiliary contacts 50 mm², 2x (0.75 2.5 mm²) • for auxiliary contacts 50 mm², 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts <td>type of electrical connection</td> <td></td>	type of electrical connection	
• at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals type of connectable conductor cross-sections - • for main contacts - - solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) - solid or stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² • for AWG cables for main contacts 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² • solid 1 10 mm² • solid 1 10 mm² • solid 1 10 mm² • solid or stranded 1 10 mm² • solid or stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • type of connectable conductor cross-sections - • finely stranded with core end processing 0.5 2.5 mm² • for auxiliary contacts - • for auxiliary contacts - • for auxiliary contacts -	for main current circuit	screw-type terminals
• of magnet coilScrew-type terminalstype of connectable conductor cross-sections-• for main contacts solid2x (1 2.5 mm²), 2x (2.5 10 mm²)- solid or stranded2x (1 2.5 mm²), 2x (2.5 10 mm²)- finely stranded with core end processing2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²• for AWG cables for main contacts2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²• for AWG cables for main contacts2x (1 2.5 mm²), 2x (14 8)connectable conductor cross-section for main contacts1 10 mm²• solid1 10 mm²• stranded1 10 mm²• finely stranded with core end processing1 10 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross2x (20 16), 2x (18 14)	 for auxiliary and control circuit 	screw-type terminals
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 for main contacts solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) solid or stranded finely stranded with core end processing for AWG cables for main contacts solid for AWG cables for main contacts solid tor number as coded connectable conductor cross 	of magnet coil	Screw-type terminals
solid2x (1 2.5 mm²), 2x (2.5 10 mm²) solid or stranded2x (1 2.5 mm²), 2x (2.5 10 mm²) finely stranded with core end processing2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²• for AWG cables for main contacts2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²• solid2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²• solid1 10 mm²• solid1 10 mm²• stranded1 10 mm²• finely stranded with core end processing1 10 mm²• finely stranded with core end processing1 10 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross2x (20 16), 2x (18 14)	type of connectable conductor cross-sections	
	for main contacts	
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connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² type of connectable conductor cross-sections 0.5 2.5 mm² • for auxiliary contacts - solid or stranded - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross 2x (20 16), 2x (18 14)	• stranded	1 10 mm²
 solid or stranded finely stranded with core end processing 0.5 2.5 mm² 0.5 2.5 mm² type of connectable conductor cross-sections for auxiliary contacts solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) for AWG cables for auxiliary contacts 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) AWG number as coded connectable conductor cross 	 finely stranded with core end processing 	1 10 mm ²
• finely stranded with core end processing 0.5 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts • for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross 4	connectable conductor cross-section for auxiliary contacts	
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14)	 solid or stranded 	
 for auxiliary contacts solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross 		0.5 2.5 mm²
— finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross 2x (20 16), 2x (18 14)	 for auxiliary contacts 	
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
AWG number as coded connectable conductor cross		
	·	2x (20 16), 2x (18 14)

 for main contacts 			16 8		
 for auxiliary contacts 			20 14		
Safety related data			20 14		
product function					
•	cording to IEC 60947-4-1		Yes		
	operation according to IE		No		
 suitable for safet 			Yes		
suitability for use safety	•		Yes		
service life maximum	loidtod officially of t		20 a		
test wear-related serv	ice life necessarv		Yes		
proportion of dangero					
	rate according to SN 319	920	40 %		
	d rate according to SN 31		73 %		
B10 value with high d	emand rate according to	o SN 31920	1 000 000		
failure rate [FIT] with I	low demand rate accord	ling to SN	100 FIT		
31920					
ISO 13849			•		
device type according			3		
	cording to ISO 13849-2 r	necessary	Yes		
IEC 61508			Turne A		
	cording to IEC 61508-2		Туре А		
Electrical Safety	the front seconding to		IP20		
-	the front according to the front according to IE		finger-safe, for vertical contac	t from the front	
Approvals Certificates	te mont according to in	0 00323			
General Product App	roval				
	UK CA	EG-Konf.			EHC
EMV	ČÄ Test Certificates	EG-Konf.	Marine / Shipping		CUL
EMV RCM		EG-Konf. Special Test Ce ate		BUREAU VERITAS	
Ø	Test Certificates	Special Test Ce	ertific-	BUREAU VERITAS	Ĵ.Å. DNV
RCM	Test Certificates	Special Test Ce	ertific- ABS	Confirmation	
RCM	Test Certificates	Special Test Ce	ertific- ABS	Confirmation	Railway Special Test Certific-
Marine / Shipping	Test Certificates <u>Type Test Certificates</u> <u>ates/Test Report</u>	Special Test Ce	ertific: ABS Other Miscellaneous Con-	Confirmation	Railway Special Test Certific-
ECM Marine / Shipping Covers US Dangerous goods Transport Information	Test Certificates <u>Type Test Certificates</u> <u>ates/Test Report</u>	Special Test Ce ate	ertific: ABS Other Miscellaneous Con-	Confirmation	Railway Special Test Certific-
Marine / Shipping Marine / Shipping Discrete Uts Dangerous goods Transport Information Further information on the para https://support.industry. Information on the para. https://www.siemens.cc Industry Mall (Online of https://mall.industry.sief Cax online generator	Test Certificates Type Test Certific- ates/Test Report	Special Test Ce ate	artific: other Miscellaneous		Railway Special Test Certific-

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