SIEMENS

Data sheet

3RT2017-1AP01-2AA0



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NO, screw terminal, size: S00, suspended mounting position

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 	1.5 W				
 at AC in hot operating state per pole 	0.5 W				
 without load current share typical 	1.5 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 AC	7,3g / 5 ms, 4,7g / 10 ms				
shock resistance with sine pulse					
• at AC	11,4g / 5 ms, 7,3g / 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)					
Weight	0.239 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	39.6 kg
Global Warming Potential [CO2 eq] during manufacturing	1.18 kg
Global Warming Potential [CO2 eq] during operation	38.5 kg
Global Warming Potential [CO2 eq] after end of life	-0.155 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	22 A
 at AC-1 — up to 690 V at ambient temperature 40 °C rated 	22 A
value — up to 690 V at ambient temperature 60 °C rated	20 A
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	7.2 A
 — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value 	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
— up to 690 V for current peak value n=20 rated value	6.7 A
• at AC-6a	
 up to 230 V for current peak value n=30 rated value 	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm ²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	4.1 A
• at 690 V rated value	3.3 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A

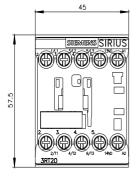
- with 2 surrant action in carias at DC 4					
with 3 current paths in series at DC-1 — at 24 V rated value	20 A				
— at 60 V rated value	20 A 20 A				
— at 100 V rated value					
	20 A				
— at 220 V rated value	20 A				
— at 440 V rated value	1.3 A				
— at 600 V rated value	1 A				
at 1 current path at DC-3 at DC-5	20 A				
— at 24 V rated value	20 A				
— at 60 V rated value — at 110 V rated value	0.5 A				
	0.15 A				
with 2 current paths in series at DC-3 at DC-5 at 24 // reted value	20 A				
— at 24 V rated value	5 A				
— at 60 V rated value					
— at 110 V rated value	0.35 A				
with 3 current paths in series at DC-3 at DC-5	20 A				
— at 24 V rated value	20 A				
- at 60 V rated value	20 A 20 A				
— at 110 V rated value					
— at 220 V rated value	1.5 A				
— at 440 V rated value	0.2 A				
— at 600 V rated value	0.2 A				
• at AC-2 at 400 V rated value	5.5 kW				
• at AC-3	0.0 KVV				
 at AC-3 — at 230 V rated value 	3 kW				
— at 400 V rated value	5.5 kW				
— at 500 V rated value	5.5 kW				
— at 690 V rated value	5.5 kW				
• at AC-3e	5.5 KVV				
- at 230 V rated value	3 kW				
— at 400 V rated value	5.5 kW				
— at 500 V rated value	5.5 kW				
— at 600 V rated value	5.5 kW				
operating power for approx. 200000 operating cycles at AC-	0.0 KW				
4					
• at 400 V rated value	2 kW				
• at 690 V rated value	2.5 kW				
operating apparent power at AC-6a					
 up to 230 V for current peak value n=20 rated value 	2.8 kVA				
 up to 400 V for current peak value n=20 rated value 	4.9 kVA				
 up to 500 V for current peak value n=20 rated value 	6.2 kVA				
 up to 690 V for current peak value n=20 rated value 	8 kVA				
operating apparent power at AC-6a					
 up to 230 V for current peak value n=30 rated value 	1.9 kVA				
 up to 400 V for current peak value n=30 rated value 	3.3 kVA				
 up to 500 V for current peak value n=30 rated value 	4.1 kVA				
 up to 690 V for current peak value n=30 rated value 	5.7 kVA				
short-time withstand current in cold operating state up to 40 °C					
Imited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value				
Imited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value				
Imited to 10 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value				
Imited to 30 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value				
Imited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency	40,000,4%				
• at AC	10 000 1/h				
operating frequency	1,000,1/b				
at AC-1 maximum	1 000 1/h				
• at AC-2 maximum	750 1/h 750 1/h				
• at AC-3 maximum	750 1/h				

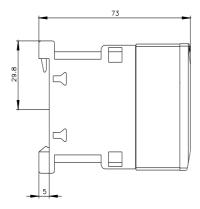
• at AC-3e maximum	750 1/h				
• at AC-4 maximum	250 1/h				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz rated value	230 V				
• at 60 Hz rated value	230 V				
operating range factor control supply voltage rated value 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	37 VA				
• at 60 Hz	33 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	5.7 VA				
• at 60 Hz	4.4 VA				
inductive power factor with the holding power of the coil					
at 50 Hz	0.25				
	0.25				
• at 60 Hz	0.20				
closing delay	0 25 mg				
• 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 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	1A				
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	11 A				
at 600 V rated value	11 A				
violdod mochanical narformance [hn]					
yielded mechanical performance [hp]					
for single-phase AC motor					

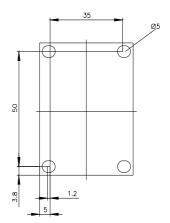
in 2 2pisos AC motor in 2 2pisos AC motor in 222230 / rated value in 222230 / rated value 3 typ in 222230 / rated value 7 5 p in 4 600480 / rated value 7 5 p in 4 600480 / rated value 7 5 p in 4 600480 / rated value 7 5 p 7 5 p	— at 110/120 V rated value	0.5 hp				
		2 hp				
	 for 3-phase AC motor 					
	— at 200/208 V rated value	3 hp				
	— at 220/230 V rated value	3 hp				
control ratio A600 / 0600 Short-Circul protocol of the main circuit	— at 460/480 V rated value	7.5 hp				
Short-circuit protection design of the fuse link - with type of coordination 1 required - with type of coordination 2 required - with type of coordination 1 required - with type of coordination 2 required (or short-circuit protection of the auxility switch required - with type of coordination 1 required - wit	— at 575/600 V rated value					
design of the fues link or a hort-circuit protection of the main circuit gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 100KA), aAX: 20A (690V, 100KA), BS8B: 35A (415V, 80KA) gc: 50A (500V, 10KA), aAX: 20A (50KA) freature and segment and another and segment and	contact rating of auxiliary contacts according to UL	A600 / Q600				
for short-circuit protection of the main circuit	Short-circuit protection					
- with type of assignment 2 required - with type of assignment 2 required of a shot-circuit protection of the auxilary switch required gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 12A (690V, 100kA), BSBB: 20A (415V, 80KA) gc: 20A (680V, 100kA), abt: 20A (100kA), abt: 20A (100k	design of the fuse link					
- with type of assignment 2 equired 9 G: 20.4 (690V, 100A), ak: 164 (690V, 100A), BSB: 20.4 (415V, 80KA) 9 G: 10.4 (600 V, 1 KA) Fastering resultion Fastering resultion Fas	 for short-circuit protection of the main circuit 					
• for short-circuit protection of the auxiliary switch required g6: 10.4 (600 V, 1 kA) Installation/ mounting/ dimensions hanging, on horizontal mounting surface fastening method screw and snap on mounting onto 35 mm DNr rail according to DNr EN 60715 height 58 mm witch 45 mm depth 73 mm required spacing - • with side-by-side mounting - - upwards 10 mm - for auxilary and control drout screw-type terminals for live parts 10 mm - downwards 10 mm - for auxilary and control drout	 — with type of coordination 1 required 	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)				
Installation/mounting visition hanging on horizontal mounting surface measuring position screw and snap on mounting on 35 mm DIN rail according to DIN EN 60715 height 58 mm width 45 mm doph 73 mm required spacing 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm <td< td=""><td>- with type of assignment 2 required</td><td>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</td></td<>	- with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)				
mounting position hanging, on horizontal mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 58 mm width 45 mm depth 73 mm required spacing """"""""""""""""""""""""""""""""""""	 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)				
festening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 56 mm dopth 73 mm required spacing ************************************	Installation/ mounting/ dimensions					
height 58 mm width 45 mm depth 73 mm required spacing 10 mm - (pwards 10 mm - upwards 10 mm - downwards	mounting position	hanging, on horizontal mounting surface				
width 45 mm depth 73 mm required spacing 73 mm • with side-by-side mounting - - forwards 10 mm - upwards 00 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - upwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm <td>fastening method</td> <td>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</td>	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
depth 73 mm required spacing 73 mm e with side b-y-side mounting 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - fo	height	58 mm				
depth 73 mm required spacing 73 mm e with side b-y-side mounting 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - fo		45 mm				
required spacing • with side-by-side mounting forwards 10 mm upwards 10 mm downwards 0 mm downwards 0 mm downwards 10 mm downwards 10 mm downwards 10 mm forwards 10 mm upwards 10 mm downwards 10 mm downwards 10 mm forwards 10 mm forwards 10 mm downwards 10 mm ofor and control circuit screw-type terminals • of reminal control circuit screw-type terminals • of remain co						
• with side-by-side mountingI- forwards10 mm- downwards10 mm- downwards00 mm- downwards0 mm- at the side0 mm- for gounded parts10 mm- forwards10 mm- upwards6 mm- downwards10 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards5 mm- for all contactor for auxillary contacts2 k (0.5 1.5 mm ³), 2 x (0.75 2.5 mm ³), 2 x 4 mm ³ - for dwG cables	•					
- forwards10 mm- upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm- for grounded parts10 mm- forwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downards10 mm- for auxiliary contactsScrew-type terminals- solid2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³), 2x 4 mm ³ </td <td></td> <td></td>						
upwards10 mm downwards0 mm at the side0 mm forwards10 mm forwards10 mm upwards0 mm upwards0 mm downwards10 mm downwards5 mm downwards10 mm downwards10 mm at the side6 mm downwards5 mm downwards5 mm of an anni current circuitscrew-type terminals of an anni current circuitscrew-type terminals of and and contactsScrew-type terminals of and and contactsScrew-type terminals solid2x (0 5 15 mm²), 2x (0 75 25 mm²), 2x 4 mm² solid2x (0 5 15 mm²), 2x (0 75 25 mm²), 2x 4 mm² finely stranded with core end processing2x (0 5 4 mm² ondid cortacts5 4 mm² ondid cortacts5 4 mm² ondid cortacts5 25 mm² ondid cortacts5 25 mm².<		10 mm				
downwards10 mm at the side0 mm•- forwards10 mm upwards10 mm upwards0 mm at the side6 mm downwards10 mm downwards10 mm•- forwards10 mm forwards10 mm forwards10 mm forwards10 mm downwards10 mm downwardsScrew-type terminals• for auxiliary contactsScrew-type terminals• of main contacts solid solid2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³), 2x 4 mm ³ solid or stranded2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³), 2x 4 mm ³ • for auxiliary contacts solid or stranded• solid or stranded0.5 4 mm ³ • for auxiliary contacts <td< td=""><td></td><td colspan="4"></td></td<>						
at the side0 mm• for grounded parts0 mm forwards10 mm upwards10 mm at the side6 mm at the side6 mm downwards10 mm downwards10 mm forwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm downwards10 mm at the side6 mmConnections/ Terminals5 mmConnections/ Terminals5 crew-type terminals or axiliary and control circuitscrew-type terminals• of main current circuitscrew-type terminals• of axiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of axiliary contactsScrew-type terminals• of or axiliary contactsScrew-type terminals• of axiliary contactsScrew-type terminals						
• for grounded parts						
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - for law parts - - for law parts 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm of ranzet connectable conductor cross-sections - for main contacts </td <td></td> <td></td>						
upwards10 mm at the side6 mm downwards10 mm downwards10 mm forwards10 mm upwards10 mm upwards10 mm downwards0 mm at the side6 mmConnections/ Terminals6 mmConnections/ Terminalsscrew-type terminalsof rawillary and control circuitscrew-type terminalsof rawillary contactsScrew-type terminalsof or auxillary contactsScrew-type terminal		10 mm				
downwards10 mm• for live parts forwards10 mm- upwards10 mm- downwards10 mm- downwards10 mm- at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• of main current circuitscrew-type terminals• of main current circuitscrew-type terminals• of main contactsScrew-type terminals• of main contactsScrew-type terminals• of main contactsScrew-type terminals• for awaitilary contactsScrew-type terminals• for wait contactsScrew-type terminals• for awaitilary contactsScrew-type terminals• for wait contactsScrew-type terminals• for wait contactsScrew-type terminals• for awaitilary contactsScrew-type terminals• for awaitilary contactsScrew-type terminals• for awaitilary contactsScrew-type terminals• for awaitilary contactsScrew-type terminals• for AWG cables for main contactsScrew-type terminals• stranded0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• solid0.5 4 mm²• finely stranded with core end processing0.5 4 mm²• solid or strandedScrew-type terminals• finely stranded with core end processing0.5 2.5 mm²), 2x 4 mm²• solid or strandedScrew-type termina						
• for live parts10 mm- forwards10 mm- upwards10 mm- downwards10 mm- at the side6 mmConnections/Terminalstype of electrical connection• for auxiliary contactsscrew-type terminals• for auxiliary and not rol circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet collScrew-type terminals• of or auxiliary and control circuitScrew-type terminals• of magnet collScrew-type terminals• of or auxiliary contactsScrew-type terminals• of stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• solid0.5 4 mm²• solid0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• solid or stranded<						
forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm Connection// Terminals for auxiliary and control circuit screw-type terminals of magine coll screw-type terminals of connectable conductor cross-sections solid solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² finely stranded with core end processing 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) solid 0.5 4 mm² solid or stranded 0.5 4 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 solid or stranded 0.5 4 mm² solid or stranded 0.5 2.5 mm² <td< td=""><td></td><td></td></td<>						
- upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • of magnet coil Screw-type terminals • for main contacts Screw-type terminals • for main contacts Screw-type terminals • for main contacts Screw-type terminals • for MVG cables for main contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • solid 0.5 4 mm² • solid or stranded 0.5 4 mm² • solid or stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm²	•	10 mm				
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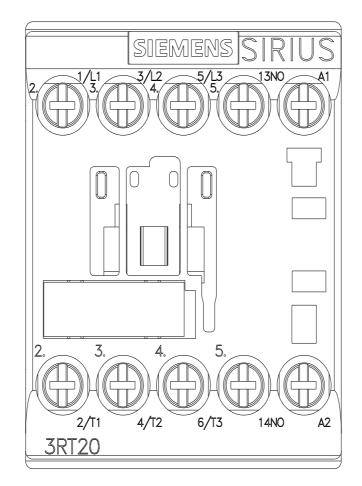
AWG number as coded connectable conduct section	or cross						
		20 12					
	for main contacts						
Safety related data	for auxiliary contacts						
product function			100				
mirror contact according to IEC 60947-4-1			Yes; with 3RH29				
 positively driven operation according to IE 	C 60947-5-1	No					
suitable for safety function		Yes					
suitability for use safety-related switching OFF		Yes					
service life maximum		20 a					
test wear-related service life necessary		Yes					
proportion of dangerous failures	220	40.0/					
with low demand rate according to SN 319		40 % 73 %					
with high demand rate according to SN 31							
B10 value with high demand rate according to		1 000 000					
failure rate [FIT] with low demand rate accord 31920	ling to SN	100 FIT					
ISO 13849							
device type according to ISO 13849-1		3					
overdimensioning according to ISO 13849-2 r	necessary	Yes					
IEC 61508							
safety device type according to IEC 61508-2		Туре А					
Electrical Safety							
protection class IP on the front according to	IEC 60529	IP20					
touch protection on the front according to IE	C 60529	finger-safe, fo	or vertical contact	from the front			
Approvals Certificates							
General Product Approval							
General Product Ap-	Functional Saf	tev Test	Certificates		Marine / Shipping		
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other Railway	Environment						
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Further information							
Information on the packaging https://support.industry.siemens.com/cs/ww/en/v Information- and Downloadcenter (Catalogs,	<u>view/109813875</u>						

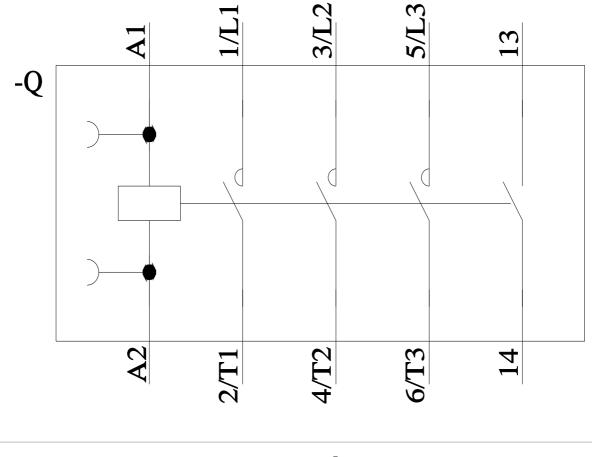
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