SIEMENS

Data sheet 3RT2018-1AN62



power contactor, AC-3e/AC-3, 16 A, 7.5 kW / 400 V, 3-pole, 200 V AC, 50 Hz / 200-220 V, 60 Hz, auxiliary contacts: 1 NC, screw 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 	3 W
 at AC in hot operating state per pole 	1 W
without load current share typical	1.7 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	0.236 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	0.100 kg
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
value	20 A
at AC-3 — at 400 V rated value	16 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
• at AC-3e	3.371
— at 400 V rated value	16 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
• at AC-4 at 400 V rated value	11.5 A
• at AC-5a up to 690 V rated value	19.4 A
 at AC-5b up to 400 V rated value 	13.2 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	9.6 A
— up to 400 V for current peak value n=20 rated value	9.6 A
— up to 500 V for current peak value n=20 rated value	9.6 A
 up to 690 V for current peak value n=20 rated value at AC-6a 	8.9 A
— up to 230 V for current peak value n=30 rated value	6.6 A
— up to 400 V for current peak value n=30 rated value	6.4 A
— up to 500 V for current peak value n=30 rated value	6.4 A
— up to 690 V for current peak value n=30 rated value	6.4 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	5.5 A
at 690 V rated value	4.4 A
operational current	
at 1 current path at DC-1 at 24 V reted value.	20 A
— at 24 V rated value	20 A 20 A
— at 60 V rated value— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A

 with 3 current paths in series at DC-1 	
— at 24 V rated value	20 A
— at 24 V rated value — at 60 V rated value	20 A 20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 60 V rated value	0.5 A
— at 110 V rated value	0.15 A
with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	0.35 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
operating power	
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	7.5 kW
• at AC-3e	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	7.5 kW
operating power for approx. 200000 operating cycles at AC-	
	2.5 kW
at 690 V rated value	3.5 kW
operating apparent power at AC-6a	3.8 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	6.6 kVA
up to 500 V for current peak value n=20 rated value	8.3 kVA
up to 690 V for current peak value n=20 rated value	10.6 kVA
operating apparent power at AC-6a	2.5 μ//Δ
up to 230 V for current peak value n=30 rated value	2.5 kVA
up to 400 V for current peak value n=30 rated value	4.4 kVA
up to 500 V for current peak value n=30 rated value	5.5 kVA
up to 690 V for current peak value n=30 rated value	7.6 kVA
short-time withstand current in cold operating state up to 40 °C	
• limited to 1 s switching at zero current maximum	300 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	169 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 10 s switching at zero current maximum	128 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	92 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	74 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
- across maximam	100 1111

Control supply voltage at AC	• at AC-4 maximum	250 1/h
Spee of village of the control supply voltage AC		
		AC
# # # # # # # # # # # # # # # # # # #		
Operating range factor control supply voltage rated value of angelet cell at 150 Hz		200 V
magnet coil at AC		
magnet coil at AC	operating range factor control supply voltage rated value of	
■ at 00 Hz		
apparent plck-up power of magnet coll at AC	● at 50 Hz	0.8 1.1
### ### ### ### #### #### #### ########	• at 60 Hz	0.85 1.1
• at 60 Hz	apparent pick-up power of magnet coil at AC	
Inductive power factor with closing power of the coil # 150 Hz	● at 50 Hz	
■ at 80 Hz		43 VA
apparent holding power of magnet coil at AC a till 50 Hz 5.9 VA 6.5		
• at 50 Hz 50 Hz 65 VA		0.8
• at 80 Hz inductive power factor with the holding power of the coil • at 50 Hz 0.24 0.25 • at 60 Hz 0.25 closing delay • at AC 9 35 ms opening delay • at AC 4 15 ms arching time 10 15 ms archi		
Inductive power factor with the holding power of the coil • at 50 Hz 0.24 • 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 control version of the switch operating mechanism 10 A operational current at AC-12 maximum 10 A operational current at AC-15 10 A at 3230 V rated value 10 A at 3600 V rated value 2 A at 3600 V rated value 1 A at 3600 V rated value 6 A at 3600 V rated value 6 A at 3600 V rated value 3 A at 3600 V rated value 3 A at 3600 V rated value 4 A at 3600 V rated value 5 A at 3600 V rated value 6 A at 3600 V rated value 2 A at 3600 V rated value 0.15 A at 3600 V rated value 0.15 A operational current at DC-13 at 24 V rated value 1 A at 3600 V rated value 2 A at 3600 V rated value 1 A at 3600 V rated value 2 A at 3600 V rated value 1 A at 3600 V rated value 2 A at 3600 V rated value 1 A at 3600 V rated value 0.3 A at 3600 V rated value 0.1 A		
• at 50 Hz 0.24 • at 60 Hz 0.25 closing delay • at AC 935 ms opening delay • at AC 415 ms arcing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact at 20 vrated value 10 A 2 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3		6.5 VA
• at 60 Hz Closing delay at AC 9 35 ms		
closing delay		
e at AC opening delay e at AC arcing time control version of the switch operating mechanism Auxilliary circuit number of NC contacts for auxilliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 e at 230 V rated value e at 400 V rated value e at 690 V rated value 10 A operational current at AC-12 e at 24 V rated value 10 A operational current at AC-12 e at 24 V rated value 10 A operational current at DC-12 e at 24 V rated value 6 A e at 100 V rated value 9 A e at 100 V rated value 10 A operational current at DC-12 e at 24 V rated value 10 A e at 48 V rated value 10 A e at 48 V rated value 10 A e at 100 V rated value 2 A e at 100 V rated value 10 A e at 125 V rated value 10 A e at 24 V rated value 2 A e at 25 V rated value 1 A e at 27 V rated value 1 A e at 28 V rated value 1 A e at 27 V rated value 1 A e at 28 V rated value 1 A e at 29 V rated value 1 A e at 20 V rated value 1 A e at 30 V rated value 1 A e at 30 V rated value 1 A e at 48 V rated value 1 A e at 48 V rated value 1 A e at 48 V rated value 1 A e at 60 V		0.25
e at AC 415 ms arcing time 1015 ms Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A e at 400 V rated value 10 A e at 400 V rated value 2 A e at 500 V rated value 11 A operational current at DC-12 e at 24 V rated value 10 A e at 48 V rated value 6 A e at 68 V rated value 6 A e at 110 V rated value 6 A e at 110 V rated value 11 A e at 125 V rated value 11 A e at 220 V rated value 11 A e at 48 V rated value 11 A e at 48 V rated value 11 A e at 48 V rated value 10 A e at 48 V rated value 11 A e at 48 V rated value 10 A e at 48 V rated value 2 A e at 110 V rated value 10 A e at 48 V rated value 2 A e at 110 V rated value 2 A e at 110 V rated value 10 A e at 48 V rated value 11 A e at 125 V rated value 11 A e at 125 V rated value 11 A e at 125 V rated value 11 A e at 126 V rated value 11 A e at 127 V rated value 11 A e at 128 V rated value 11 A e at 129 V rated value 11 A e at 129 V rated value 11 A e at 600		0. 05
		9 35 ms
arcing time		4 45
Control version of the switch operating mechanism Standard A1 - A2		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15		
number of NC contacts for auxiliary contacts instantaneous		Standard A1 - A2
Operational current at AC-12 maximum 10 A		1
Departional current at AC-15		
	operational current at AC-12 maximum	10 A
	operational current at AC-15	
	• at 230 V rated value	10 A
• at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 30 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 25 V rated value • at 200 V rated value • at 200 V rated value • at 480 V rated value • at 480 V rated value • 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	• at 400 V rated value	3 A
operational current at DC-12	• at 500 V rated value	2 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value out 54 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 200 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at	at 690 V rated value	1 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 200 V rated value at 3A at 600 V rated value at 600 V rated value	operational current at DC-12	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 80 V rated value at 80 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 3A at 600 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 500 V rated value at 400 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 600 V rated value at 70 A 	• at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value 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 at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 70 Phase AC motor 	• at 48 V rated value	6 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 80 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 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 70 V rated value	• at 60 V rated value	6 A
 at 220 V rated value at 600 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rate	• at 110 V rated value	3 A
operational current at DC-13 operational current at Contract at	• at 125 V rated value	2 A
operational current at DC-13 • at 24 V rated value • at 48 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 1 A • at 220 V rated value 0 at 220 V rated value 0 .3 A • at 600 V rated value 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 yielded mechanical performance [hp] • for single-phase AC motor	• at 220 V rated value	1 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) ULI/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 		0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value 1 A at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 	operational current at DC-13	
 at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 74 A at 600 V rated value at 74 A a	• at 24 V rated value	10 A
at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 11 A yielded mechanical performance [hp] a for single-phase AC motor	• at 48 V rated value	2 A
 at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value per 100 million (17 V, 1 mA) 11 A yielded mechanical performance [hp] for single-phase AC motor 	• at 60 V rated value	2 A
 at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 14 A yielded mechanical performance [hp] for single-phase AC motor 	● at 110 V rated value	1 A
at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor	• at 125 V rated value	0.9 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 • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor	• at 220 V rated value	0.3 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor		1 faulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor 	UL/CSA ratings	
• at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor	• at 480 V rated value	14 A
• for single-phase AC motor	at 600 V rated value	11 A
	yielded mechanical performance [hp]	
— at 110/120 V rated value 1 hp	• for single-phase AC motor	
	— at 110/120 V rated value	1 hp

at 220 V rated value 2 hp - int 2000 8V rated value 3 hp - at 2000 8V rated value 5 hp - at 4004 8V rated value 10 hp - contact rating of suutilary contacts according to UL - Short-circular protection of the main crount - with type of accordination 1 trequired - with type of accordination 1 trequired - with type of accordination 1 trequired - for short-circul protection of the auxiliary switch required - for short-circul protection of the auxiliary switch required - for short-circul protection of the auxiliary switch required - for short-circul protection of the auxiliary switch required - for short-circul protection of the auxiliary switch required - for short-circul protection of the auxiliary switch required - for short-circul protection - festening method	10001/	
at 200/000 V rated value at 480/480 V rated value 10 hp at 480/480 V rated value 10 hp at 579/000 V rated value 20 hp at 579/000 V rated value 20 hp	— at 230 V rated value	2 hp
	•	2 ha
at 400,460 V rated value 10 hp at 575600 V rated value 10 hp at 575600 V rated value 400 pc at 57560 V rated value 400 pc at 57560 V rated value 400 pc at 5750 V rated value 500 pc at 5750 V rated		·
contact rating of auxiliary contacts according to UL A009 / 0800 design of the fuse fink of or short-circular protection of the main circuit — with type of coordination in required — with type of assignment 2 required firstalisation mounting of mensions mounting position 4-150° rotation possible on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting surface; can be sittled forward and backward by ++ 2.25° on vertical mounting s		
Short-clircuit protection design of the fuse link - with type of coordination 1 required - with type of assignment 2 required - with side-by-side mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by + 2.25° nor wertical mounting surface; can be tilted forward and backward by normal surface; and surface		
design of the fuse link I or short-circuit protection of the main circuit — with type of coordination i required — with type of designment 2 required — with type of designment 2 required — with type of designment 2 required — with type of designment 3 required I or short-circuit protection of the auxiliary switch required Installation mounting dimensions ### Auxiliary of the auxiliary switch required flastlinition mounting guiface. ### Auxiliary of the auxiliary switch required ### Auxiliary of the auxiliary switch required ### Auxiliary of the auxiliary of the auxiliary switch required ### Auxiliary of the auxiliary of the auxiliary switch required ### Auxiliary of the auxiliary of th		A600 / Q600
• for short-circult protection of the main circuit — with type of assignment 2 required — of restort-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fastening method — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — seleght — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — server and sape on mounting onto 35 mm DIN rail according to DIN EN 69715 — s	·	
Size (Sea (A) (100 kA), abit 254 (Sea (V) 100	•	
— with type of assignment 2 required 96; 254, (6910, 1004A), abit: 204 (6900, 1004A), BS88: 254, (415V,80KA) 96; 10.4 (5000, V.1 kA) 96; 10.	·	-O. FOA (COO) (AOOLA) -M. OFA (COO) (AOOLA) DOOO, FOA (AAF) (OOLA)
** for short-circult protection of the auxiliary switch required installation in counting platinersions mounting position 4/-180° rotation possible on vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be titled forward and backward by 4/-225° for vertical mounting surface; can be for mine mounting surface; and backward by 4/-225° for vertical mounting surface; can be for surface; and an analysis of surface; and an analysis of surface; and an analysis or su		
mounting position mounting position fastening method fastening method screw and snap-on mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on vertical mounting surface; can be filted forward and backward by 1-2.2.5° on minute 1-2.00 by 1-2.2.5° on minute 1-2.00 by 10.00 by 1	, ,	
mounting position #+180" rotation possible on vertical mounting surface; can be litted forward and backward by #-125" on vertical mounting surface; can be litted forward and backward by #-125" on vertical mounting surface; can be litted forward and backward by #-125" on vertical mounting surface; can be litted forward and backward by #-125" on vertical mounting and a 5 mm DIN rail according to DIN EN 80715 ### Sim with side by-side mounting ### Frequired spacing ### With side-by-side mounting ### Frequired spacing #### Frequired spacing ### Frequired spacing ### Frequired spacing ##	· · · · · · · · · · · · · · · · · · ·	gG: 10 A (500 V, 1 KA)
backward by 4-/ 2.25* on vertical mounting surface fastening method server and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height width 45 mm depth 73 mm required spacing • with side-by-side mounting — forwards — upwards — 10 mm — ownwards — 10 mm — at the side • for grounded parts — forwards — upwards — 10 mm — at the side • for grounded parts — forwards — upwards — 10 mm — ownwards — in mm — ownwards — ownwards — ownwards — at the side — for auxiliary and control circuit • for auxiliary and control circuit • of or auxiliary and control circuit • of or auxiliary and control circuit • of magnet coil type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for some conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • solid or stranded • finely stranded with core end processing • for sanding contacts • for sanding contacts • solid or stranded • finely stranded with core end processing • for AWG cables for auxiliary contacts • solid or stranded • finely stranded with core end processing • for AWG cables for auxiliary contacts • for the sanding contacts • for the sanding contacts • for the sanding contac	·	./ 4000 .
Sester and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	mounting position	
Might	fastening method	·
width depth 73 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — downwards 10 mm — forgrounded parts — 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 — at the side 6 mm — downwards 10 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — downwards 10 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 7 mm — at the side 8 mm — ownwards 10 mm — at the side 9 mm — at the side 9 mm — the side 9 mm — at the side 9 mm — th		
depth		45 mm
required spacing with side-by-side mounting -forwards -upwards -downwards -downwards -downwards -forwards -forward		73 mm
• with side-by-side mounting - forwards	•	
forwards upwards		
- upwards		10 mm
- downwards - at the side 0 mm • for grounded parts - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm • for live parts - forwards 10 mm - downwards 5 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • screw-type terminals • screw-type terminals • screw-type terminals • or a uxiliary and control circuit screw-type terminals • of magnet coil Screw-type terminals • for main current circuit • at contactor for auxiliary contacts • of magnet coil Screw-type terminals • for main contacts • of magnet coil Screw-type terminals • for main contacts • solid • stranded • frinely stranded with core end processing • for AWG cables for main contacts • solid • finely stranded with core end processing • for AWG cables for main contacts • solid • 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 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 AWG cables for auxiliary contacts • 2x (0.5 1.5 mm²),	— upwards	10 mm
	•	10 mm
	— at the side	0 mm
- upwards	for grounded parts	
- at the side	— forwards	10 mm
- downwards	— upwards	10 mm
• for live parts	— at the side	6 mm
forwards upwards downwards downwards downwards downwards downwards at the side dom at the side dom at the side dom downwards dow	— downwards	10 mm
- upwards	• for live parts	
- downwards - at the side Connections/ Terminals type of electrical connection • 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 with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for new formal contacts • solid - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • for AWG cables 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 processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	— forwards	10 mm
— at the side 6 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 type of connectable conductor cross-sections For main contacts — 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 (20 16), 2x (18 14), 2x 12 connectable conductor cross-section for main contacts 2x (20 16), 2x (18 14), 2x 12 connectable conductor cross-section for auxiliary contacts 0.5 4 mm² • stranded 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm² 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 • for auxiliary contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - fin	— upwards	10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • of magnet coil type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • stranded • stranded • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • 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 processing • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	— downwards	10 mm
type of electrical connection • 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 • stranded • stranded with core end processing • finely stranded with core end processing • solid or stranded • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid or stranded • solid or stranded • solid or stranded • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • 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 AWG cables for auxiliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts	— at the side	6 mm
• 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 contacts — solid contacts — finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • 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 processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely	Connections/ Terminals	
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts — solid — solid or stranded — finely stranded with core end processing of romain contacts — finely stranded with core end processing of row AWG cables for main contacts a solid of row auxiliary contacts of stranded of stranded with core end processing of stranded with core end processing of stranded with core end processing of connectable conductor cross-sections of or auxiliary contacts solid or stranded psolid or stranded connectable conductor cross-sections of or auxiliary contacts solid or stranded of or auxiliary contacts connectable conductor cross-sections of or auxiliary contacts of or auxiliary contacts of or stranded with core end processing of of AWG cables for auxiliary contacts a contact a mm², 2x (0.75 2.5 mm²), 2x 4 mm² a contact a mm², 2x (0.75 2.5 mm²), 2x 4 mm² a contact a mm², 2x (0.75 2.5 mm²), 2x (0.75 2.5 mm²) a contact a mm², 2x (0.75 2.5 mm²) a contact a mm², 2x (0.75 2.5 mm²) a contact a mm², 2x (0.75 2.5 mm²) a contact a	type of electrical connection	
 at contactor for auxiliary contacts of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts — solid — solid or stranded — finely stranded with core end processing of or AWG cables for main contacts 10.5 4 mm² osolid osolid for AWG cables for main contacts osolid osolid ostranded osolid ostranded osolid ostranded osolid or stranded osolid	for main current circuit	screw-type terminals
 at contactor for auxiliary contacts of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts — solid — solid or stranded — finely stranded with core end processing of or AWG cables for main contacts 10.5 4 mm² osolid osolid for AWG cables for main contacts osolid osolid ostranded osolid ostranded osolid ostranded osolid or stranded osolid	for auxiliary and control circuit	· ·
• of magnet coil type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • stranded • stranded • finely stranded with core end processing • for auxiliary contacts • solid • finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded • finely stranded • finely stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • 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 AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	•	Screw-type terminals
 for main contacts — solid	•	
solid solid solid or stranded solid or stranded finely stranded with core end processing for AWG cables for main contacts solid or stranded solid or stranded solid or stranded sol		
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) • for AWG cables for main contacts 2x (20 16), 2x (18 14), 2x 12 connectable conductor cross-section for main contacts • solid • stranded • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	• for main contacts	
 — finely stranded with core end processing ♦ for AWG cables for main contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 connectable conductor cross-section for main contacts ♦ solid ♦ stranded ♦ finely stranded with core end processing ○ 5 4 mm² ♦ finely stranded with core end processing ○ 5 2.5 mm² connectable conductor cross-section for auxiliary contacts ♦ solid or stranded ♦ finely stranded with core end processing ♦ for auxiliary contacts — solid or stranded — solid or stranded — solid or stranded — for auxiliary contacts — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) — finely stranded with core end processing ♦ for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) ♦ for AWG cables for auxiliary contacts 	— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
 for AWG cables for main contacts 2x (20 16), 2x (18 14), 2x 12 connectable conductor cross-section for main contacts solid stranded finely stranded with 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 type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts media or stranded finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² finely stranded with core end processing for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12 	— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
onnectable conductor cross-section for main contacts o solid o stranded o finely stranded with core end processing connectable conductor cross-section for auxiliary contacts o solid or stranded o finely stranded with core end processing type of connectable conductor cross-sections o for auxiliary contacts - solid or stranded - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 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 stranded finely stranded with 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 type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts for auxiliary contacts 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), 2x 12 	• for AWG cables for main contacts	2x (20 16), 2x (18 14), 2x 12
 stranded finely stranded with 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 type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts 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 1.5 mm²), 2x (18 14), 2x 12 	connectable conductor cross-section for main contacts	
 finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12 	• solid	0.5 4 mm²
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	• stranded	0.5 4 mm²
 solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 	 finely stranded with core end processing 	0.5 2.5 mm²
 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 	connectable conductor cross-section for auxiliary contacts	
type of connectable conductor cross-sections	 solid or stranded 	0.5 4 mm²
 for auxiliary contacts — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 	finely stranded with core end processing	0.5 2.5 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) ● for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	type of connectable conductor cross-sections	
 — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 	for auxiliary contacts	
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	— 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)
AWG number as coded connectable conductor cross	 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 2x 12
	AWG number as coded connectable conductor cross	

section	
for main contacts	20 12
 for auxiliary contacts 	20 12
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 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	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
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
Approvals Certificates	
General Product Approval	





Confirmation





<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping











Miscellaneous

other

other Railway Environment

Confirmation

Confirmation

Special Test Certificate



Environmental Confirmations

Further information

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=3RT2018-1AN62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2018-1AN62

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

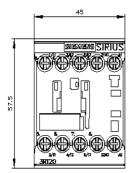
https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1AN62

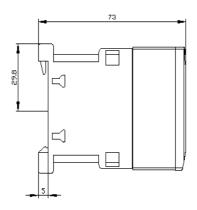
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2018-1AN62&lang=en

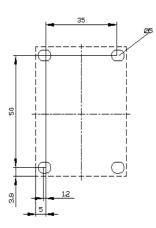
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1AN62/char

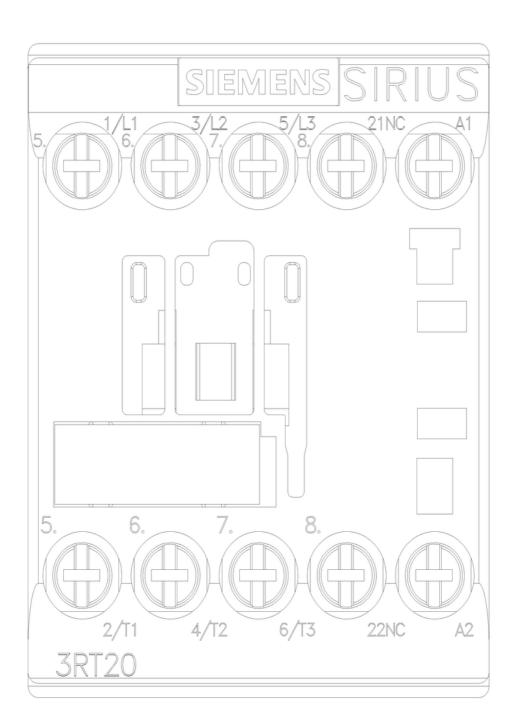
Further characteristics (e.g. electrical endurance, switching frequency)

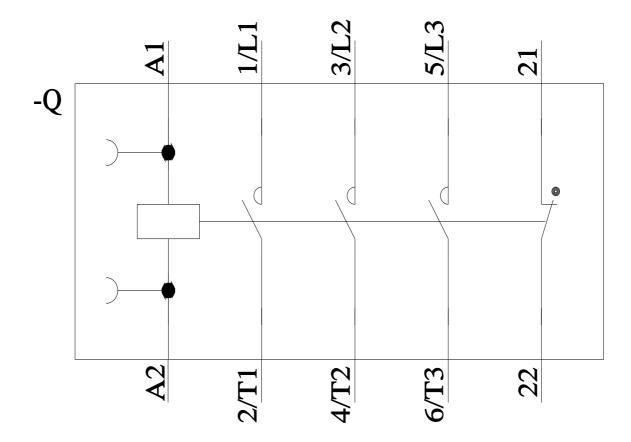
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2018-1AN62&objecttype=14&gridview=view1











last modified: