SIEMENS

Data sheet

3RT2017-1AN61



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 1 NO, 200 V AC, 50 Hz 200-220 V, 60 Hz, 3-pole frame size S00, screw terminal

product brand nameSIRIUSproduct designationPower contactorproduct type designation3RT2General technical dataSize of contactorS00product extension• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current1.5 W• at AC in hot operating state per pole0.5 W• without load current share typical6.5 Winsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V
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value
surge voltage resistance
of main circuit rated value 6 kV
of auxiliary circuit rated value 6 kV
maximum permissible voltage for safe isolation between 400 V coil and main contacts according to EN 60947-1
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) 10/01/2009
Ambient conditions
installation altitude at height above sea level maximum 2 000 m
ambient temperature
• during operation -25 +60 °C
• during storage -55 +80 °C
relative humidity minimum 10 %
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum
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 \
 at AC-3e rated value maximum operational current 	690 \
• at AC-1 at 400 V at ambient temperature 40 °C	22 A
rated value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C	22 A
rated value — up to 690 V at ambient temperature 60 °C	20 4
rated value	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 — at 690 V rated value	9.2 A 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
• at AC-5b up to 400 V rated value	9.9 A
● at AC-6a	
— up to 230 V for current peak value n=20 rated	7.2 A
value	704
 — 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	7.2 A
value	
 — 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	4.8 A
value	
— up to 400 V for current peak value n=30 rated	4.8 A
value	4.0.4
 — 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	4.8 A
value	
minimum cross-section in main circuit at maximum AC-1	4 mm
rated value 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 110 V rated value — at 220 V rated value	2.1 A 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 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 110 V rated value	20 A 20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A

'n

— 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 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 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 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A 0.2 A
— at 600 V rated value	0.2 A
operating power • at AC-3	
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	0.0 KW
- 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
operating power for approx. 200000 operating cycles	
at AC-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	
 limited to 1 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	123 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 0 s switching at zero current maximum 	96 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	74 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	61 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
	750 1/h
 at AC-2 maximum 	
 at AC-2 maximum at AC-3 maximum 	750 1/h
• at AC-3 maximum	750 1/h
at AC-3 maximumat AC-3e maximum	750 1/h 750 1/h
at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage	750 1/h 750 1/h
 at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	750 1/h 750 1/h 250 1/h AC
 at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 	750 1/h 750 1/h 250 1/h AC 200 V
 at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 	750 1/h 750 1/h 250 1/h AC
 at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated 	750 1/h 750 1/h 250 1/h AC 200 V
 at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC 	750 1/h 750 1/h 250 1/h AC 200 V 220 V
 at AC-3 maximum at AC-3e maximum at AC-4e maximum control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 	750 1/h 750 1/h 250 1/h AC 200 V 220 V 0.8 1.1
 at AC-3 maximum at AC-3e maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz at 60 Hz 	750 1/h 750 1/h 250 1/h AC 200 V 220 V
 at AC-3 maximum at AC-3e maximum at AC-4e maximum control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 	750 1/h 750 1/h 250 1/h AC 200 V 220 V 0.8 1.1

et d0 Hz		
• • • • • • • • • • • • • • • • • • •	• at 60 Hz	43 VA
• e10 hz 0.8 • e10 hz 59 VA • e10 hz 59 VA • e10 hz 55 VA indictive power factor with the holding power of the coll 0.24 • e10 hz 0.25 cloaling delay 0.25 • e10 hz 0.26 • e10 hz 0.27 • e10 hz 0.26 • e10 hz 0.16 ms • e10 hz 1 • e10 hz 1 • e10 hz 10 A • e10 hz	inductive power factor with closing power of the coil	
appent holding power of magnet coil at ACS VA• if 0 H26.5 VA• of 0 H20.5 VA• of 0 H20.24• of 0 H20.25colang delay0.25colang delay9 35 ms• at AC9 35 msopening delay0 15 ms• at AC10 15 ms• at AC10 15 ms• arcing time10 15 mscontrol version of the switch operating mechanism10 15 msJournet AL C-12 maximum10 Aoperational current at AC-15 maximum10 Aoperational current at AC-16 maximum10 A• at 300 Vrated value2 A• at 680 Vrated value1 A• at 680 Vrated value2 A• at 680 Vrated value3 A• at 680 Vrated val	• at 50 Hz	0.8
 at 60 Hz at 70 Hz<	• at 60 Hz	0.8
• at 00 1/20.5 VAinductive power factor with the holding power of the coli0.24• at 00 1/20.24• at 00 1/20.24• class 10 0/20.25• class 10 0/2935 ms• at AC935 ms• paning delay415 ms• at AC935 ms• at AC115 ms• at AC2.A• at AC115 ms• at AC115 ms <t< td=""><td>apparent holding power of magnet coil at AC</td><td></td></t<>	apparent holding power of magnet coil at AC	
inductive power factor with the holding power of the coll244• at 0.0 H20.24• at 0.0 H20.25closing delay•	• at 50 Hz	5.9 VA
out • at 60 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 Axiliary circuit number of No Contacts for auxiliary contacts operational current at AC-15 1 mistananeous contact 10 A operational current at AC-15 1 • at 300 V rated value 3 A • at 600 V rated value 3 A • at 600 V rated value 1 A • at 600 V rated value 3 A • at 600 V rated value 3 A • at 600 V rated value 1 A • at 600 V rated value 0 A • at 600 V rated value 1 A • at	• at 60 Hz	6.5 VA
• at 80 Hz 0.24 • at 80 Hz 0.25 closing delay • at AC • at AC 4 15 ms • at AC 1 15 ms • at 200 V ratio of the switch operating mechanism Standard A1 - A2 Auxiliary circum 1 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-15 • • at 300 V rated value 1 A • at 300 V rated value 1 A • at 300 V rated value 1 A • at 300 V rated value 5 A • at 300 V rated value 5 A • at 100 V rated value 5 A • at 12 V rated value 5 A • at 12 V rated value 1 A • at 300 V rated value 1 A • at 300 V rated value 1 A • at 300 V rated value 2 A • at 300 V rated value 1 A • at 300 V rated value 1 A • at 300 V rated value 1 A • at 30	inductive power factor with the holding power of the	
• at 60 Hz 0.25 closing datay 9 35 ms • at AC 9 35 ms • at AC 4 15 ms • at AC 1 • at AC 1 arcing time 10 15 ms control version of the switch operating mechanism 1 Auxiliary circuit 10 A operational current at AC-15 1 • at 300 V rated value 3 A • at 300 V rated value 3 A • at 300 V rated value 1 A opparational current at AC-15 0 A • at 300 V rated value 3 A • at 300 V rated value 1 A opparational current at AC-15 0 A • at 300 V rated value 1 A opparational current at AC-15 0 A • at 300 V rated value 1 A • at 300 V rated value 0 A • at 42 V rated value 0 A • at 42 V rated value 0 A • at 42 V rated value 0 A • at 20 V rated value 0 A • at 20 V rated value 0 A • at 30 V rated value 0 A • at 30 V rated value 0 A • at 40 V rated value 0 A • at 40 V rated value 0 A • at 40 V rated		
cosing delay • at AC 9 35 ms • at AC 4 15 ms • at AC 10 15 ms • at AC 10 15 ms • at AC 10 15 ms • at Cost operating mechanism Standard A1 - A2 Auxiliary circum 10.A • at 220 V rated value 1 • at 220 V rated value 2 A • at 320 V rated value 3 A • at 320 V rated value 1 A • at 320 V rated value 3 A <t< td=""><td>• at 50 Hz</td><td>0.24</td></t<>	• at 50 Hz	0.24
• at AC 9 35 ms opening delay • at AC • at AC 4 15 ms control version of the switch operating mechanism 10 15 ms Auxiliary circuit 10 15 ms number of No contacts for auxiliary contacts 1 operational current at AC-15 10 • at 230 V rated value 10.A • at 230 V rated value 2.A • at 300 V rated value 2.A • at 300 V rated value 1.A • operational current at AC-15 0.A • at 300 V rated value 2.A • at 300 V rated value 2.A • at 300 V rated value 3.A • at 300 V rated value 3.A • at 300 V rated value 6.A • at 300 V rated value 6.A • at 300 V rated value 1.A • a	• at 60 Hz	0.25
origing delay 415 ms exing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circum Immether of NO contacts for auxiliary contacts 1 instantanceus contact 1 operational current at AC-12 maximum 10 A of 300 V rated value 2 A of 300 V rated value 1 A operational current at DC-12 Immether AC of 300 V rated value 3 A of 110 V rated value 3 A of 110 V rated value 1 A of 300 V rated value 1 A	closing delay	
 ai AC 415 ms acting time 1015 ms Standard A1 - A2 Auxiliary circuit Initiatinaneous contact operational current at AC-15 at 200 V rated value 10 A operational current at AC-15 at 300 V rated value 2 A at 500 V rated value 2 A at 500 V rated value 2 A at 500 V rated value 1 A operational current at AC-16 at 420 V rated value 2 A at 500 V rated value 2 A at 500 V rated value 2 A at 500 V rated value 3 A at 20 V rated value 4 A at 80 V rated value 3 A at 80 V rated value 3 A at 80 V rated value 3 A at 80 V rated value 4 A at 80 V rated value 4 A at 80 V rated value 4 A at 80 V rated value 5 A	• at AC	9 35 ms
arcsing time 10,15 ms Standard A1 - A2 Auxiliary circuit number of N0 contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-12 maximum at 230 V rated value at 400 V rated value <t< td=""><td>opening delay</td><td></td></t<>	opening delay	
control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Instantaneous contact instantaneous contact operational current at AC-15 1 • at 230 V rated value 10 A • at 300 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 60 V rated value 7 A • at 80 V rated value 7 A • at 25 V rated value 7 A • at 80 V rated value 10 A • at 80 V rated value 11 A <tr< td=""><td>• at AC</td><td>4 15 ms</td></tr<>	• at AC	4 15 ms
control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Instantaneous contact instantaneous contact operational current at AC-15 1 • et 230 V rated value 10 A • et ad V rated value 2 A • at 400 V rated value 2 A • at 600 V rated value 1 A operational current at AC-15 In A • at 600 V rated value 2 A • at 600 V rated value 6 A • at 60 V rated value 1 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 60 V rated value 1 A	arcing time	10 15 ms
Auxiliary circuit number of NO contacts for auxiliary contacts instainaneous contact 1 operational current at AC-12 maximum operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A • at 300 V rated value 10 A • at 400 V rated value 2 A • at 400 V rated value 1 A operational current at DC-12 6 A • at 40 V rated value 6 A • at 60 V rated value 2 A • at 125 V rated value 6 A • at 220 V rated value 2 A • at 220 V rated value 1 A opparational current at DC-13 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 1 A • at 25 V rated value 1 A • at 60 V rated value 0 A • at 20 V rated value 0 A • at 20 V rated value 0 A • at 60 V rated value 0 A • at 60 V rated value	-	Standard A1 - A2
number of NO contacts for auxiliary contacts 1 Instantaneous contact 0 operational current at AC-12 maximum 10 A et at 200 V rated value 3 A et at 500 V rated value 2 A et at 500 V rated value 1 A operational current at AC-12 maximum 10 A et at 500 V rated value 2 A et at 500 V rated value 1 A operational current at DC-12 1 A et 24 V rated value 6 A et 32 V rated value 1 A et 42 V rated value 1 A et 32 V rated value 1 A et 32 V rated value 1 A et 42 V rated value 1 A et 320 V rated value 2 A et 320 V rated value 2 A et 320 V rated value 2 A et 320 V rated value 0 A et 320 V rated value 0 A et 320 V rated value 1 A e		
Instantaneous contact operational current at AC-12 maximum at 230 V rated value at 230 V rated value at 400 V rated value at 400 V rated value at 42 V rated value at 420 V rated		1
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operational current at AC-15• at 230 V rated value10 A• at 400 V rated value3 A• at 500 V rated value2 A• at 600 V rated value1 Aoperational current at DC-12•• at 24 V rated value10 A• at 24 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 24 V rated value0 A• at 24 V rated value6 A• at 10 V rated value0.15 A• at 200 V rated value0.15 A• at 200 V rated value0.15 A• at 200 V rated value0 A• at 24 V rated value2 A• at 24 V rated value0 A• at 24 V rated value2 A• at 60 V rated value1 A• at 24 V rated value2 A• at 61 V rated value2 A• at 61 V rated value1 A• at 25 V rated value0.3 A• at 250 V rated value0.14 A• at 260 V rated value0.14 A• at 270 V rated value0.14 A• at 280 V rated value0.14 A• at 480 V rated value11 A• at 480 V rated value1 A <td></td> <td>10 A</td>		10 A
• at 230 V rated value 10 A • at 400 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 • • at 24 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 6 A • at 220 V rated value 1 A • at 220 V rated value 2 A • at 220 V rated value 1 A • at 220 V rated value 0.5 A • at 220 V rated value 0.5 A operational current at DC-13 • • at 24 V rated value 0.4 A • at 25 V rated value 2 A • at 20 V rated value 0.4 A • at 20 V rated value 0.4 A • at 20 V rated value 0.3 A • at 20 V rated value 0.1 A • at 200 V rated value 0.1 A • at 480 V rated value 11 A • at 480 V rated value 11 A • at 480 V rated value 11 A • at 200 V rated value 11 A • at 200 V rated val		
 at 400 V rated value 3 A at 800 V rated value 2 A at 800 V rated value 1 A operational current at DC-12 at 44 V rated value 10 A at 48 V rated value 6 A at 60 V rated value 6 A at 61 V 10 V rated value 3 A at 125 V rated value 3 A at 125 V rated value 1 A operational current at DC-13 at 20 V rated value 0 A at 48 V rated value 0 15 A operational current at DC-13 at 42 V rated value 0 A at 48 V rated value 1 A at 10 V rated value 1 A at 125 V rated value 0 A at 40 V rated value 1 A at 125 V rated value 0 A at 200 V rated value 0 A at 400 V rated value 1 A at 200 V rated value 1 A at 480 V rated value	•	10 A
 e at 500 V rated value a t 690 V rated value a t 690 V rated value at 24 V rated value at 24 V rated value at 48 V rated value 6 A at 10 V rated value 6 A at 110 V rated value 6 A at 110 V rated value 6 A at 125 V rated value 7 A at 220 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 0 A at 220 V rated value 1 A at 600 V rated value 0 A at 24 V rated value 0 A at 24 V rated value 2 A at 10 V rated value 3 A at 600 V rated value 0 A at 600 V rated value 0 A at 600 V rated value 0 A at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings fullead current (FLA) for 3-phase AC motor at 480 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 2 A (p for 3-phase AC motor - at 110/120 V rated value 2 A (p for 3-phase AC motor - at 220220 V rated value 3 hp - at 220220 V rated value 3 hp - at 575600 V rated value 7.5 hp - at 575600 V		
• at 690 V rated value 1 A operational current at DC-12 • • at 24 V rated value 0 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 200 V rated value 0.15 A operational current at DC-13 • • at 40 V rated value 2 A • at 40 V rated value 2 A • at 60 V rated value 2 A • at 40 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 125 V rated value 0.9 A • at 120 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 600 V rated value 11 A • at 600 V rated value 2 hp • for single-phase AC motor - • at 300 V rated v		
operational current at DC-12 • at 24 V rated value 10 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 220 V rated value 2 A • at 220 V rated value 10 A • at 220 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 24 V rated value 2 A • at 25 V rated value 2 A • at 260 V rated value 0.3 A • at 250 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 A • at 2600 V rated value 11 A • at 600 V rated value 11 A • at 600 V rated value 1 A		
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 e at 48 V rated value 6 A e at 60 V rated value 6 A e at 125 V rated value 2 A e at 220 V rated value 1 A e at 600 V rated value 0 A e at 600 V rated value 10 A e at 60 V rated value 10 A e at 60 V rated value 2 A e at 62 V rated value 3 A e at 62 V rated value 3 A e at 62 V rated value 3 A e at 60 V rated value 1 A e at 80 V rated value 1 A e at 480 V rated value 1 A e at 600 V rated value 1 A e at 600 V rated value 1 A e for single-phase AC motor e at 200/280 V rated value 3 hp at 200/280 V rated value 3 hp at 200/280 V rated value 3 hp at 480 V rated value 4 00 A at 480 V rated value 1 A e for short-circuit protection of the main circuit e for short-circuit protection of the main circuit e for short-circuit protection of the main circuit e for	•	10.4
 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 60 V rated value 2 A at 10 V rated value 2 A at 10 V rated value 3 A at 125 V rated value 0.9 A at 220 V rated value 0.3 A at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings UL/CSA ratings Ulicial V rated value 11 A at 600 V rated value 12 A at 230 V rated value 13 A at 230 V rated value 14 A at 230 V rated value 2 hp of or 3-phase AC motor at 230 V rated value 3 hp at 230 V rated value 3 hp at 220/230 V rated value 3 hp at 220/230 V rated value 3 hp at 460480 V rated value 3 hp at 460480 V rated value 4 hp at 460480 V rated value 14 A 4 600480 V rat		
• at 110 V rated value 3 A • at 125 V rated value 2 A • at 200 V rated value 0.15 A operational current at DC-13 • • at 24 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0.9 A • at 125 V rated value 0.9 A • at 200 V rated value 0.3 A • at 200 V rated value 0.1 A conctart reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings full-load current (FLA) for 3-phase AC motor • • at 400 V rated value 11 A • at 400 V rated value 11 A vielded mechanical performance [hp] • • for single-phase AC motor • - at 200/20 V rated value 0.5 hp - at 200/20 V rated value 1 A • at 200/20 V rated value 3 hp - at 200/20 V rated value 1 h - at 200/20 V rated value 1 h - 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 60 V rated value 2 A • at 10 V rated value 0.9 A • at 22 V rated value 0.3 A • at 20 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 • at 600 V rated value 1 A • at 480 V rated value 1 A • at 480 V rated value 1 A • at 480 V rated value 1 A • at 490 V rated value 1 A • at 490 V rated value 1 A • at 490 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 220/208 V rated value <td></td> <td></td>		
• at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13		
• at 600 V rated value 0.15 Å operational current at DC-13 10 Å • at 24 V rated value 10 Å • at 48 V rated value 2 Å • at 60 V rated value 2 Å • at 10 V rated value 0.9 Å • at 220 V rated value 0.9 Å • at 220 V rated value 0.3 Å • at 600 V rated value 0.14 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 11 Å • at 600 V rated value 0.5 hp • at 480 V rated value 11 Å • at 600 V rated value 2 hp • of or single-phase AC motor - • at 230 V rated value 2 hp • for 3-phase AC motor - - at 230 V rated value 3 hp - at 220/230 V rated value 3 hp - at 220/230 V rated value 3 hp - at 575/600 V rated value 7.5 hp		
operational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value1 A• at 125 V rated value0.9 A• at 20 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UUCSA ratingsfull-oad current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 A• at 800 V rated value12 N• at 480 V rated value11 A• at 480 V rated value2 hp• for single-phase AC motor at 120/120 V rated value0.5 hp- at 200/208 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 460/480 V rated value7.5 hp- at 675/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit- with type of coordination 1 requiredgC: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)- with type of assignment 2 requiredgC: 20A (690V,100kA), aM: 16A (690V,100kA), BS88: 20A (415V, 80kA)		
• 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 25 V rated value 0.9 A • at 200 V rated value 0.1 A • otatoo V rated value 0.1 A • otatoo V rated value 11 A • at 600 V rated value 11 A • otatoo V rated value 0.5 hp - otat 200 V rated value 2 hp • for single-phase AC motor - - at 200208 V rated value 2 hp • for 3-phase AC motor - - at 200208 V rated value 3 hp - at 200208 V rated value 3 hp - at 200208 V rated value 7.5 hp - at 55/600 V rated value 7.5 hp - at 55/600 V rated value 10 hp contact rating of the fuse link - • for short-circuit protection of the main circuit - - with type of coordination 1 required		0.15 A
• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 220 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)ULCSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 600 V rated value11 A• at 200 / 200 V rated value0.5 hp- at 110/120 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 460/480 V rated value7.5 hp- at 675/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA6000 / G600Sbort-circuit protectiondesign of the fuse link• for short-circuit protection of the main circuit- with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)- with type of assignment 2 requiredgG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA)	operational current at DC-13	
• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 A• jielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor- at 200/208 V rated value3 hp- at 260/400 V rated value3 hp- at 260/400 V rated value3 hp- at 460/480 V rated value7.5 hp- at 460/480 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionGistion of the main circuit- with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)- with type of assignment 2 requiredgG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 at 24 V rated value 	
• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 A• juleIded mechanical performance [hp]•• for single-phase AC motor at 120 V rated value0.5 hp- at 200 / 208 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 60/480 V rated value7.5 hp- at 60/480 V rated value10 hpcontact rating of auxiliary contacts according to ULA6000 / Q600Short-circuit protectiondesign of the fuse linke for short-circuit protection of the main circuit- with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)- with type of assignment 2 requiredgG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 at 48 V rated value 	2 A
• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 full-load current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 A• for single-phase AC motor at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 220/208 V rated value3 hp- at 220/208 V rated value3 hp- at 220/208 V rated value3 hp- at 460/480 V rated value10 hp- at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiongG: 50A (690V,100kA), aM: 16A (690V,100kA), BS88: 35A (415V,80kA)- with type of assignment 2 requiredgG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 at 60 V rated value 	2 A
• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UUCSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 Ayielded mechanical performance [hp]•• for single-phase AC motor at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 460/480 V rated value7.5 hp- at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link• for short-circuit protection of the main circuit- with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)- with type of assignment 2 requiredgG: 20A (690V,100kA), aM: 16A (690V,100kA), BS88: 35A (415V,80kA)	 at 110 V rated value 	1 A
• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor11 A• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value0.5 hp- at 110/120 V rated value0.5 hp- at 230 V rated value0.5 hp- at 200/208 V rated value0.5 hp- at 200/208 V rated value0.5 hp- at 200/208 V rated value3 hp- at 25/600 V rated value3 hp- at 575/600 V rated value7.5 hp- at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiongG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V,100kA), BS88: 35A (41	 at 125 V rated value 	0.9 A
contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value11 A• at 600 V rated value11 A• at 600 V rated value11 Ayielded mechanical performance [hp]0.5 hp- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 260/208 V rated value3 hp- at 460/480 V rated value7.5 hp- at 575/600 V rated value10 hpContact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link• for short-circuit protection of the main circuit- with type of coordination 1 required- with type of assignment 2 requiredgG: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)gG: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 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 11 A • at 600 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] 11 A • for single-phase AC motor 0.5 hp - at 230 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 46600 / Q600 Short-circuit protection of the main circuit - - with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 at 600 V rated value 	0.1 A
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 • at 600 V rated value 11 A yielded mechanical performance [hp] 11 A • for single-phase AC motor 0.5 hp - at 230 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 46600 / Q600 Short-circuit protection of the main circuit - - with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 11 A • at 600 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.5 hp - at 230 V rated value 2 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 460/480 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
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 at 600 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value 0.5 hp at 230 V rated value 2 hp for 3-phase AC motor at 200/208 V rated value 3 hp at 220/230 V rated value 3 hp at 460/480 V rated value 7.5 hp at 575/600 V rated value Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 		11 Δ
yielded mechanical performance [hp]		
 for single-phase AC motor at 110/120 V rated value at 230 V rated value bp at 230 V rated value bp for 3-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 460/480 V rated value contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 		
- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 460/480 V rated value7.5 hp- at 460/480 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
 at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value bp at 220/230 V rated value bp at 460/480 V rated value 7.5 hp at 575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required GG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 		0.5 hp
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 at 460/480 V rated value at 575/600 V rated value bp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link 6 for short-circuit protection of the main circuit - with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
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Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		Abuu / Qbuu
 for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required GC: 20A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) GC: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 	Short-circuit protection	
with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 80kA)	design of the fuse link	
- with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 for short-circuit protection of the main circuit 	
- with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	 — with type of coordination 1 required 	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
80kA)	 — with type of assignment 2 required 	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,
• for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)	•	80kA)
	 for short-circuit protection of the auxiliary switch 	gG: 10 A (500 V, 1 kA)

required	
required	
Installation/ mounting/ dimensions	
mounting position fastening method	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN
	60715
 side-by-side mounting 	Yes
height	58 mm
width	45 mm
depth	73 mm
required spacing	
 with side-by-side mounting 	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	10 mm
— upwards	10 mm
– at the side	6 mm
— downwards	10 mm
 for live parts 	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
	U min
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type 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 (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)
 at AWG cables for main contacts 	2x (20 16), 2x (18 14), 2x 12
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm ²
 stranded 	0.5 4 mm ²
 finely stranded with core end processing 	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm ²
 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
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at 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; with 3RH29
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	73 %

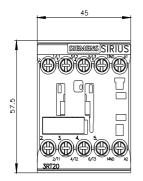
• with high demand rate according to SN 31920

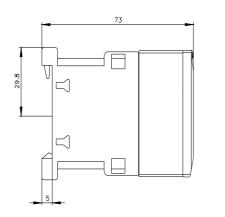
failure rate [FIT] with low demand rate according to SN

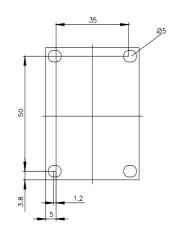
73 %

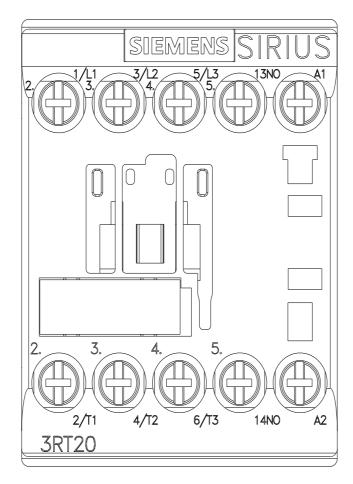
100 FIT

31920						
	t interval or service life	according to	20 у			
	on the front according	to IEC	IP20			
touch protection on	the front according to	DIEC 60529	finger-safe, for vertical	contact from the front		
suitability for usesafety-related s	witching OFF		Yes			
Certificates/ approval	S					
General Product Ap	oproval					
	<u>Confirmation</u>			<u>KC</u>	EHC	
EMC	Functional Safety/Safety of Machinery	Declaration o	of Conformity	Test Certificates		
RCM	<u>Type Examination</u> <u>Certificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	
Marine / Shipping						
ABS	B U REAU VERITAS		Lloyd's Register urs	PRS	RINA	
Marine / Shipping	other			Railway		
KMRS	<u>Confirmation</u>		<u>Confirmation</u>	Vibration and Shock		
	wnloadcenter (Catalo	gs, Brochures,.)			
https://www.siemens. Industry Mall (Online https://mall.industry.si Cax online generato	e ordering system) iemens.com/mall/en/en	/Catalog/product	?mlfb=3RT2017-1AN61			
http://support.automa	tion.siemens.com/WW/		t.aspx?lang=en&mlfb=3F	RT2017-1AN61		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AN61 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-1AN61⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AN61/char						
	ics (e.g. electrical end n.siemens.com/bilddb/ii			1AN61&objecttype=14&grid	view=view1	

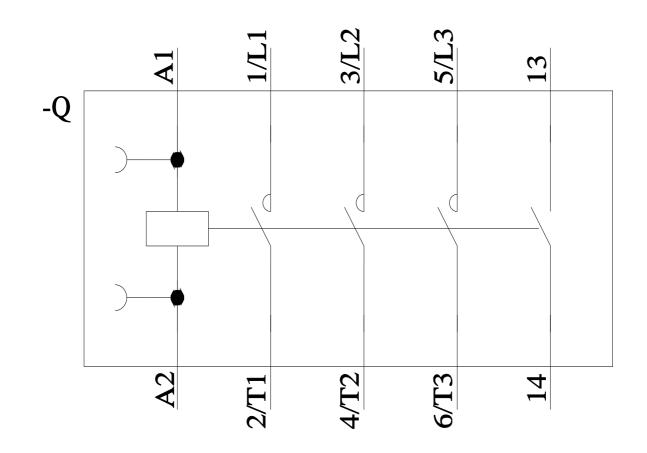








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last modified:

11/21/2022 🖸