SIEMENS

Data sheet

3RT2018-1FB42



power contactor, AC-3e/AC-3, 16 A, 7.5 kW / 400 V, 1 NC, 24 V DC with diode integrated, 3-pole, screw terminal

product brand nameSIRIUSproduct designationPower contactor	
Product designation	
product designation rower 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 4 W	
insulation voltage	
of main circuit with degree of pollution 3 rated value 690 V	
of auxiliary circuit with degree of pollution 3 rated value	
surge voltage resistance	
of main circuit rated value 6 kV	
of auxiliary circuit rated value 6 kV	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1400 V	
shock resistance at rectangular impulse	
• at DC 7.3g / 5 ms, 4.7g / 10 ms	
shock resistance with sine pulse	
• at DC 11,4g / 5 ms, 7,3g / 10 ms	
mechanical service life (switching 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	

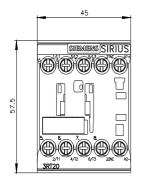
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	00.4
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	22 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	22 A
rated value	
— up to 690 V at ambient temperature 60 °C	20 A
rated value	
• 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	16 A
— at 400 V rated value — at 500 V rated value	10 A 12.4 A
— at 500 V rated value	12.4 A 8.9 A
 at AC-4 at 400 V rated value 	0.9 A 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	10.27
— up to 230 V for current peak value n=20 rated	9.6 A
value	01071
 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	9.6 A
value	0.07.
 — up to 690 V for current peak value n=20 rated value 	8.9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated	6.6 A
value	01071
— up to 400 V for current peak value n=30 rated	6.4 A
value — up to 500 V for current peak value n=30 rated	6.4 A
value	
— 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 rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	20.4
— at 24 V rated value — at 110 V rated value	20 A 12 A
— at 220 V rated value	12 A 1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.8 A 0.7 A
• with 3 current paths in series at DC-1	0.17
— at 24 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A

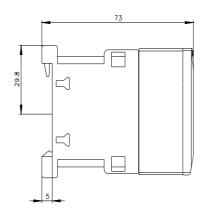
— at 600 V rated value	1 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 110 V rated value	0.15 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 110 V rated value	0.35 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— 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-4	
at 400 V rated value	2.5 kW
• at 690 V rated value	3.5 kW
operating apparent power at AC-6a	0.011/4
• up to 230 V for current peak value n=20 rated value	3.8 kVA
• 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	0.511/4
 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
 limited to 5 s switching at zero current maximum 	169 A; Use minimum cross-section acc. to AC-1 rated value
 limited 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 DC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
● at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
operating range factor control supply voltage rated	
value of magnet coil at DC	
initial value	0.8
• full-scale value	1.1
design of the surge suppressor	diode
closing power of magnet coil at DC	4 W
holding power of magnet coil at DC	4 W

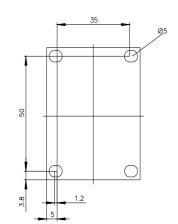
Locar generalized procession 30100 ms opening delay 30100 ms * n DC 3865 ms arcing time 30100 ms Control version of the switch operating machanism Standard A1 - A2 Maximum critical 1 Instantaneous control 10.A operational current at AC-12 maximum 10.A operational current at AC-15 10.A • at 30.V rated value 2.A • at 30.V rated value 3.A <t< th=""><th>closing delay</th><th></th></t<>	closing delay	
opening delay ast. 65 ms arcing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 1 Presentation controls for switch operating mechanism 1 operational current at AC-15 10 A operational current at AC-15 10 A operational current at AC-15 10 A operational current at AC-16 2 of 160 V rated value 2 A of 160 V rated value 2 A </td <td></td> <td>30 100 ms</td>		30 100 ms
ent DC acting time entrol Version of the switch operating mechanism Standard A1 - A2 Standard A1 - A2 Standard A1 - A2 availary created mithed MC contacts for availary contacts acting time operational current at AC-15 operational current at AC-12 operational current at AC-13 operational current at AC-14		50 100 ms
arcing time 1015 ms Standard A1 - A2 Auxiliary concil 1 number of NC contacts for auxiliary contacts 1 operational current at A2-15 0 • at 230 V rated value 10 A • at 230 V rated value 10 A • at 300 V rated value 2 A • at 300 V rated value 2 A • at 300 V rated value 5 A • at 400 V rated value 5 A • at 400 V rated value 5 A • at 400 V rated value 5 A • at 40 V rated value 5 A • at 40 V rated value 5 A • at 20 V rated value 5 A • at 20 V rated value 7 A • at 20 V rated value 7 A • at 40 V rated value 7 A • at 20 V rated value 7 A		38 65 mg
Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Instantaneous contact Instantaneous contact Operational current at AC-12 maximum 10 A operational current at AC-13 maximum 10 A operational current at AC-15 10 A - at 320 V rade value 2 A - at 320 V rade value 2 A - at 630 V rade value 6 A - at 630 V rade value 6 A - at 64 V rade value 6 A - at 125 V rade value 1 A - at 60 V rade value 1 A - at 24 V rade value 0 A - at 24 V rade value 0 A - at 27 V rade value 0 A - at 28 V rade value 0 A - at 210 V rade value 0 A - at 220 V rade value 0.3 A - at 220 V rade value 0.1 A - at 600 V rade value 1 fault switching per 100 million (17 V		
Austing of NC contacts for auxiliary contacts instrumenous contacts for auxiliary contacts 1 Operational current at AC-12 maximum operational current at AC-15 10 A • al 230 V rated value 3 A • al 300 V rated value 2 A • al 300 V rated value 2 A • al 400 V rated value 2 A • al 400 V rated value 2 A • al 400 V rated value 6 A • at 400 V rated value 6 A • at 40 V rated value 6 A • at 200 V rated value 0 A • at 200 V rated value 1 A	-	
number of NC contacts of raudilary contacts 1 instantaneous contact 10.A operational current at AC-12 maximum 10.A operational current at AC-12 10.A of 80.V rated value 2.A of 80.V rated value 6.A of 81.V rated value 6.A of 81.V rated value 10.A of 81.V rated value 10.A of 81.V rated value 10.A of 81.00 V rated value 10.B of 81.00 V rated value 10.B		
instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 at 300 V rated value 3A at 300 V rated value 2A at 300 V rated value 2A at 300 V rated value 6A at 300 V rated value 6A at 300 V rated value 7A at 400 V rated value 7A		1
operational current at AC-12 maximum 10.A operational current at AC-15 0 at 200 Vrated value 10.A at 300 Vrated value 20.A at 600 Vrated value 20.A at 600 Vrated value 20.A at 600 Vrated value 21.4 Vrated value 22.4 Vrated value 23.4 Vrated value 24.4 Vrated value 24.4 Vrated value 26.A at 80 Vrated value 26.A at 80 Vrated value 27.4 Vrated value 28.4 Vrated value 29.4 Vrated value 20.4 Vrated value 20.4 Vrated value 20.4 Vrated value 20.5 Vrated value 21.5 Vrated value 21.5 Vrated value 21.6 Vrated value 21.6 Vrated value 21.6 Vrated value 22.6 Vrated value 21.6 Vrated value 22.6 Vrated value 22.6 Vrated value 23.0 Vrated value 24.2 Vrated value 24.0 Vrated value		1
operational current at AC-15IDA• at 300 V rated value3 A• at 600 V rated value2 A• at 600 V rated value1 Aoperational current at DC-12•• at 43 V rated value6 A• at 200 V rated value3 A• at 200 V rated value6 A• at 200 V rated value0.15 Aoperational current at DC-13•• at 200 V rated value0.15 Aoperational current at DC-13•• at 200 V rated value0.4 A• at 80 V rated value0.4 A• at 80 V rated value0.4 A• at 80 V rated value0.3 A• at 80 V rated value0.3 A• at 80 V rated value0.3 A• at 80 V rated value0.4 A• at 80 V rated value1.4 A• at 80 V		10 A
a. 230 V rated value 10 A a. at 260 V rated value 2 A a. at 660 V rated value 2 A a. at 660 V rated value 1 A operational current at DC-12 10 A a. at 80 V rated value 6 A a. at 20 V rated value 7 A a. at 80 V rated value 1 A a. at 80 V rated value 1 A <		
 et 500 V rated value et 600 V rated value 1A operational current at DC-12 et 24 V rated value 10 A et 80 V rated value 6 A et 80 V rated value 6 A et 80 V rated value 1A et 80 V rated value 2A et 220 V rated value 1A et 8125 V rated value 1A et 8125 V rated value 1A et 8126 V rated value 2A et 8100 V rated value 2A et 8100 V rated value 0.3 A et 800 V rated value 0.3 A et 800 V rated value 0.1 A et 800 V rated value 1A et 800 V rated value 1A		10 A
• at 690 V reted value 1 A operational current at DC-12	 at 400 V rated value 	3 A
operational current at DC-12• at 24 V rade value10 A• at 24 V rade value6 A• at 60 V rade value6 A• at 10 V rade value3 A• at 125 V rated value2 A• at 200 V rated value1 A• at 200 V rated value0.15 Aoperational current at DC-13	 at 500 V rated value 	2 A
a ti 24 V rated value 10.A a ti 24 V rated value 6 A a ti 10 V rated value 6 A a ti 10 V rated value 3 A at 110 V rated value 3 A at 120 V rated value 1 A at 220 V rated value 1 A at 320 V rated value 1 A at 40 V rated value 2 A at 40 V rated value 2 A at 40 V rated value 2 A at 80 V rated value 2 A at 80 V rated value 0.3 A at 125 V rated value 0.1 A contact reliability of rated value 0.1 A contact reliability of rated value 0.1 A contact reliability of rated value 1 A at 400 V rated value 1 A at 220 V rated value 0.1 A contact reliability of rated value 1 A at 300 V rated value 1 A yielded mechanical performance (hp) 1 A - at 200 V rated value 1 hp - at 200 V rated value 1 hp - at 200208 V rated value 3 hp - at 200208 V rated value 1 hp - at 200208 V rated value 1 hp - at 200208 V rated value 1 hp - at 400480 V rated value 1 hp <t< td=""><td> at 690 V rated value </td><td>1 A</td></t<>	 at 690 V rated value 	1 A
e at 48 V rated value 6 A e at 10 V rated value 3 A e at 125 V rated value 3 A e at 125 V rated value 1 A e at 200 V rated value 0.15 A operational current at DC-13 0 A e at 24 V rated value 10 A e at 24 V rated value 2 A e at 24 V rated value 2 A e at 24 V rated value 2 A e at 25 V rated value 2 A e at 26 V rated value 2 A e at 100 V rated value 0.9 A e at 200 V rated value 0.3 A e at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor - e at 600 V rated value 1 A e at 600 V rated value 1 h	operational current at DC-12	
• at 60 V rated value 6 A • at 110 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 0 • at 44 V rated value 2 A • at 60 V rated value 2 A • at 105 V rated value 0.9 A • at 220 V rated value 0.1 A • at 200 V rated value 0.1 A cottact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UCSA ratings 14 A • at 400 V rated value 1 A • at 400 V rated value 1 A • at 400 V rated value 1 P • at 200 V rated value 1 P • at 400 V rated value 1 D • at 200203 V rated value	 at 24 V rated value 	10 A
	 at 48 V rated value 	6 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 10 A • at 44 V rated value 2 A • at 44 V rated value 2 A • at 44 V rated value 2 A • at 60 V rated value 2 A • at 100 V rated value 0.9 A • at 125 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) ULCSA ratings 11 A yielded mechanical performance [hp] 1 A • at 600 V rated value 1 A • at 400 V rated value 1 A • at 200 V rated value 1 A • at 600 V rated value 1 hp - at 200/200 V rated value 1 hp		
operational current at DC-13IDA• at 24 V rated value10 A• at 24 V rated value2 A• at 160 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 A• contact reliability of auxiliary contacts11 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 600 V rated value14 A• at 30 V rated value14 A• at 30 V rated value1 hp- at 200/208 V rated value1 hp- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 200/208 V rated value10 hp- at 200/208 V rated value10 hp- at 575/600 V rated value10 hp- at 575/600 V rated value10 hp- at 575/600 V rated value10 hp- with type of coordination 1 requiredgC: 50A (690V, 100KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80KA)- with type of coordination 1 requiredgC: 50A (690V, 100KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80KA)- with type of assignment 2 requiredgC: 50A (690V, 100KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80KA)- with type of coordination 1 requiredgC: 50A (690V, 100KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80KA)- with type of assignment 2 requiredgC: 50A (690V, 100KA), aM: 25A (690V, 1		
		0.15 A
• at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 125 V rated value 0.9 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 1 • at 600 V rated value 11 A yielded mechanical performance [hp] 1 • for single-phase AC motor 1 - at 110/120 V rated value 1 hp - at 120/120 V rated value 2 hp • for 3-phase AC motor 1 - at 220/230 V rated value 3 hp - at 220/230 V rated value 10 hp - at 220/230 V rated value 10 hp - at 60/480 V rated value 10 hp - at 60/680 V rated value 10 hp - at 60/680 V rated value 10 hp - or stort-circuit protection of the main circuit 6'// S5600 V rated value • for short-circuit protection of the main circuit 6'// S50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gC: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) 6'// S50 (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) required */-180° rotation possible on vertical mounting surface; can be tilte		40.4
• at 60 V rated value 2 A • at 110 V rated value 1 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) ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 14 A • at 600 V rated value 11 A yielded mechanical performance [hp] • • for single-phase AC motor - - at 100/120 V rated value 1 hp - at 200/208 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 200/208 V rated value 5 hp - at 200/208 V rated value 10 hp - at 220/203 V rated value 10 hp - at 460/480 V rated value 10 hp - at 460/480 V rated value 10 hp - at 460/480 V rated value 10 hp		
 e at 110 V rated value 1 A eit 125 V rated value 0,9 A eit 600 V rated value 0,1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings full-load current (FLA) for 3-phase AC motor eit 480 V rated value 14 A eit 600 V rated value 14 P eit 600 V rated value 14 P eit 7 single-phase AC motor eit 200/208 V rated value 14 P eit 7 single-phase AC motor eit 200/208 V rated value 10 P eit 200/208 V rated value 10 P eit 25%600 V rated value 10 P eit 5%600 V rated value 10 P eit 67%600 V rated value 10 P eit 67%600 V rated value 10 P eit 6800 V fotoka), am: 25A (690V,100kA), BS88: 50A (415V,80kA) 10 K fotov fotoka), am: 25A (690V,100kA), BS88: 50A (415V,80kA) eit 680 V rated assignment 2 required eit 6800 V fotoka), am: 25A (690V,100kA), BS88: 50A (415V,80kA) eit 6800 r fotos cincuin protection of the auxi		
• at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings		
• at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CGSA ratings full-load current (FLA) for 3-phase AC motor 14 A • at 600 V rated value 11 A yielded mechanical performance [hp] • • for single-phase AC motor 1 hp - at 100/120 V rated value 1 hp - at 230 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 220/230 V rated value 10 hp - at 220/230 V rated value 10 hp - at 575/600 V rated value 10 hp - at 675/600 V rated value 10 hp - with type of coordination 1 required gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) • for short-circuit protection of the main circuit - - with type of assignment 2 required gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) restallation/ mounting voltaction of the auxiliary switch required gG: 10 A (500 V, 1 kA) restallation/ mounting / dimens		
• at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 full-load current (FLA) for 3-phase AC motor 14 A • at 480 V rated value 14 A • at 600 V rated value 14 A • at 600 V rated value 14 A • of r single-phase AC motor - - at 110/120 V rated value 1 hp - at 200 V rated value 2 hp • for 3-phase AC motor - - at 2002/208 V rated value 3 hp - at 2002/208 V rated value 10 hp - at 2002/208 V rated value 10 hp - at 450/480 V rated value 10 hp - at 575/600 V rated value 10 hp - at 575/600 V rated value 10 hp - at 575/600 V rated value 10 hp - with type of coordination 1 required gG: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA) • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting viface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071		
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 14 A at 600 V rated value 14 A of single-phase AC motor - at 10/120 V rated value 1 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 5 hp - at 400/480 V rated value 10 hp - at 460/480 V rated value 10 hp - at 460/480 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS8: 50A (415V,80kA) gG: 10 A (500 V, 10kA), aM: 25A (690V,100kA), BS8: 55A (415V,80kA) if or short-circuit protection of the auxiliary switch required side-by-side mounting side-by-side mounting side-by-side mounting Yes height withth 45 mm		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 14 A • at 600 V rated value 11 A yielded mechanical performance [hp] 11 A • for single-phase AC motor 1 hp - at 110/120 V rated value 1 hp - at 200 V rated value 1 hp - at 200/208 V rated value 3 hp - at 2200/208 V rated value 3 hp - at 220/208 V rated value 10 hp - at 55/600 V rated value 10 hp - at 55/600 V rated value 10 hp - at 55/600 V rated value 10 hp - with type of coordination 1 required 16 for short-circuit protection design of the fuse link 10 for short-circuit protection of the main circuit - with type of coordination 1 required gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 10 A (500 V, 1 kA) required mounting position +/-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 58 mm width 45 mm depth 73 mm </td <td></td> <td></td>		
full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for single-phase AC motor at 11 A 11 A yielded mechanical performance [hp] for single-phase AC motor at 10/120 V rated value p at 2002/08 V rated value p for 3-phase AC motor at 2002/08 V rated value p at 2002/08 V rated value p at 2002/08 V rated value p at 460/480 V rated value p bris short-circuit protection of the main circuit with type of coordination 1 required gG: 50A (690V,100kA), at 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 50A (690V,100kA), at 26A (690V,100kA), BS88: 50A (415V,80kA) gG: 50A (690V,100kA), at 26A (690V,100kA), BS88: 50A (415V,80kA) gG: 50A (690V,100kA), at 20A (690V,100kA), BS88: 50A (415V,80kA) gG: 50A (690V,100kA), at 20A (690V,100kA), BS88: 50A (415V,80kA) gG: 50A (690V,100kA), at 20A (69		
• at 480 V rated value 14 A • at 600 V rated value 11 A • yielded mechanical performance [hp] 11 A • for single-phase AC motor 1 hp - at 110/120 V rated value 2 hp • for 3-phase AC motor 2 hp • at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 10 hp - at 400/408 V rated value 10 hp - at 4575/600 V rated value 10 hp - at 575/600 V rated value 10 hp - at 575/600 V rated value 10 hp - at 575/600 V rated value 10 hp - with type of coordination 1 required gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) - with type of assignment 2 required gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 50A (415V,80kA) - for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) required +/-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		
• at 600 V rated value11 Ayielded mechanical performance [hp]Image: the second seco		
yielded mechanical performance [hp]Image: space	full-load current (FLA) for 3-phase AC motor	14 A
 for single-phase AC motor at 110/120 V rated value thp at 230 V rated value thp at 230 V rated value thp at 200/280 V rated value thp at 200/280 V rated value thp at 200/280 V rated value thp at 460/480 V rated value thp at 575/600 V rated value thp at 575/600 V rated value thp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required for short-circuit protection of the main circuit with type of coordination 1 required gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) of or short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions th/180° rotation possible on vertical mounting surface; can be tilted forward and backward by th/- 22.5" on vertical mounting surface side-by-side mounting side-by-side mounting Yes height 45 mm depth 45 mm required spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value	
	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	
 for 3-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 220/230 V rated value bp at 460/480 V rated value 10 hp at 460/480 V rated value 10 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	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp]	
- at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 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: 25A (690V,100kA), BS88: 50A (415V,80kA)- with type of assignment 2 requiredgG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)• for short-circuit protection of the auxiliary switch requiredrequiredInstallation/ mounting/ dimensions+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715• side-by-side mountingYesheight width depth required spacing58 mm	 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor 	11 A
at 220/230 V rated value5 hp at 460/480 V rated value10 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 required• for short-circuit protection of the auxiliary switch equired9G: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) with type of assignment 2 required9G: 10 A (500 V, 100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)• for short-circuit protection of the auxiliary switchrequiredInstallation/mounting/ dimensionsmounting position+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacescrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715• side-by-side mountingYesheight width45 mm depthrequired spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value	11 A 1 hp
	 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value 	11 A 1 hp
at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionGesign 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: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA) gG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensions+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacemounting position+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening methodS8 mm 40715width45 mm 73 mmrequired spacing73 mm	 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor 	11 A 1 hp 2 hp
contact 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: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA) gG: 10 A (500 V, 1 kA)• for short-circuit protection of the auxiliary switch requiredrequiredInstallation/ mounting/ dimensions+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacemounting position+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening methodS8 mm 60715• side-by-side mounting widthYesheight width58 mm 45 mmdepth required spacing73 mm	 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 	11 A 1 hp 2 hp 3 hp
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 • for short-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 • for short-circuit protection of the auxiliary switch required Installation/mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method • side-by-side mounting Yes height 58 mm width 45 mm depth 73 mm	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value	11 A 1 hp 2 hp 3 hp 5 hp
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 for short-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 Installation/ mounting/ dimensions mounting position t/-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 73 mm	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp
 for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions Installation/ mounting/ dimensions #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface side-by-side mounting width width depth required spacing 	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp
- with type of coordination 1 required - with type of assignment 2 requiredgG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA) gG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensions- +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening method+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfaceiside-by-side mountingYesheight width depth58 mmrequired spacing73 mm	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp
with type of assignment 2 requiredgG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensions	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Short-circuit protection	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp
 for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method side-by-side mounting height width depth required spacing gG: 10 A (500 V, 1 kA) 	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Short-circuit protection design of the fuse link	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp
required Installation/ mounting/ dimensions Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method 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	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — 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	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA)
Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method 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	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL 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	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
mounting position+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715• side-by-side mountingYesheight58 mmwidth45 mmdepth73 mm	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
fastening methodforward and backward by +/- 22.5° on vertical mounting surfacefastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715• side-by-side mountingYesheight58 mmwidth45 mmdepth73 mmrequired spacingVes	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
fastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715• side-by-side mountingYesheight58 mmwidth45 mmdepth73 mmrequired spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA) gG: 10 A (500 V, 1 kA)
• side-by-side mounting60715• side-by-side mountingYesheight58 mmwidth45 mmdepth73 mmrequired spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted
• side-by-side mountingYesheight58 mmwidth45 mmdepth73 mmrequired spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value • at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600
height58 mmwidth45 mmdepth73 mmrequired spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value • at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA) gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-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
width 45 mm depth 73 mm required spacing 73 mm	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 60/480 V rated value - at 575/600 V rated value - with igne of auxiliary contacts according to UL 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 Installation/ mounting/ dimensions mounting position fastening method	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp 10 hp A600 / Q600
required spacing	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600
	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - with igne of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting <	11 A 1 hp 2 hp 3 hp 5 hp 10 hp A600 / Q600
with side-by-side mounting	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - with ign of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width <td>11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600</td>	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600
	full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	11 A 1 hp 2 hp 3 hp 5 hp 10 hp 10 hp A600 / Q600

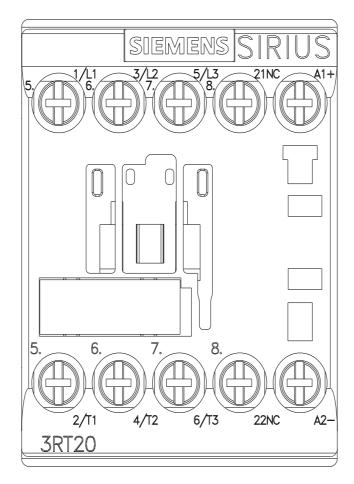
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
 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 mm ²), 2x (0.75 2.5 mm ²), 2x 4 mm ²
— solid or stranded	2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²), 2x 4 mm ²
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
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 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
 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	N .
mirror contact according to IEC 60947-4-1	Yes
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	40.0/
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
suitability for use	No.
safety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	

	<u>Confirmation</u>	CCC		<u>KC</u>	EHC
EMC	Functional Safety/Safety of Machinery	Declaration of Cont	formity	Test Certificates	
RCM	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate
Marine / Shipping					
ABS	B U REAU VERITAS		Lloyd's Register uts	PRS	RINA
Marine / Shipping	other		Railway	Dangerous Good	
RMRS	<u>Confirmation</u>	VDE	Vibration and Shock	<u>Transport Informa-</u> <u>tion</u>	
Further information					
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=3RT2018-1FB42 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2018-1FB42 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1FB42 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2018-1FB42⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1FB42/char Further characteristics (e.g. electrical endurance, switching frequency)					
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2018-1FB42&objecttype=14&gridview=view1					

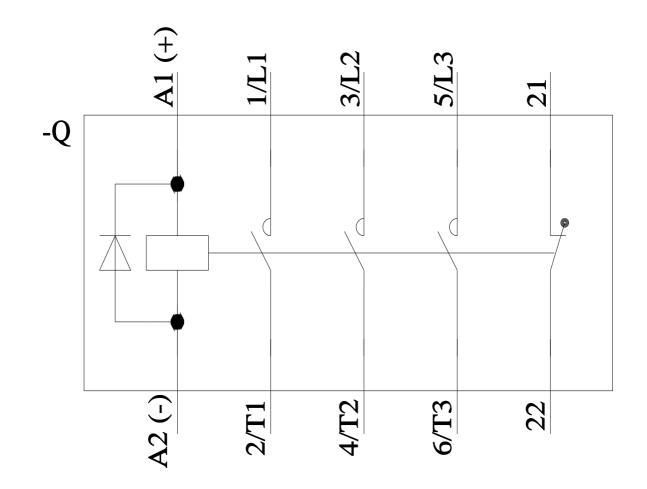








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