SIEMENS

Data sheet

3RT2045-3AM20



power contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 208 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S3

product brand name SIRIUS product designation Power contactor product type designation SRT2 Canceral tochnical data S3 product extension No • function module for communication No • auxilary switch Yes power loss [W] for rated value of the current - • at AC in hict operating state 15.9 W • at AC in hict operating state per pole 5.3 W • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 690 V • of auxiliary circuit rated value 68V • of auxiliary circuit rated value 84V • of contactor typical 10.3g / 5 ms, 6.g / 10 ms machanue permissible values for protective separation between auxiliary switch block typical 10.000 000 • at AC 10.3g / 5 ms, 10.g / 10 ms • at AC 10.000 000		
product type designation 3RT2 General technical data	product brand name	SIRIUS
General technical data S3 size of contactor S3 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 5.3 W • at AC in hot operating state 15.9 W • at AC in hot operating state prote 5.3 W • without load current share typical 1000 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 68V • of auxiliary circuit rated value 68V • of contactor typical 10.3g / 5 ms, 6, g / 10 ms mechanical service life (operating cycles) 10000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10000 000 • of the contactor with added auxiliary switch block typical 0300 1000 • of the contactor with added auxiliary switch block typical 0300 1000 • of the contactor with added auxiliary swit	product designation	Power contactor
size of contactor \$3 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 5.3 W • at AC in hot operating state per pole 5.3 W • of main circuit with degree of pollution 3 rated value 1000 V • of main circuit with degree of pollution 3 rated value 690 V surger voltage resistance 8 KV • of main circuit with degree of pollution 3 rated value 690 V surger voltage resistance 6 kV • of main circuit with degree of pollution 3 rated value 600 V sold and main contacts according to EN 60947-1 600 V shock resistance at rectangular impulse 612 M • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance with sine pulse 100 000 • of contactor vipical 10 000 000 • of contactor vipical 10 000 000 • of the contactor with added electronically optimized 100 000 • of the contactor with added auxiliary switch block typical 100 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized 3001/2017 Amblent conditions 25 460 "C relative humidity a	product type designation	3RT2
product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 15.9 W • at AC in hot operating state per pole 5.3 W • without load current share typical 25 W insulation voltage 1000 V • of main circuit with degree of pollution 3 rated value 680 V surge voltage resistance 680 V • of main circuit rated value 8 kV • of main circuit rated value 680 V surge voltage resistance 690 V • of main circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 00947-1 690 V shock resistance at rectangular impulse 6 kV • at AC 10.3g / 5 ms, 6.g / 10 ms shock resistance with sine pulse 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 0 00 000 reference coda according to	General technical data	
• function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 5.9 W • at AC in hot operating state 15.9 W • at AC in hot operating state per pole 5.3 W • without load current share typical 25 W Insulation voitage 1000 V • of main circuit with degree of pollution 3 rated value 600 V • of main circuit atter dvalue 8 kV • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of main circuit rated value 8 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of auxiliary coult rated value 10.3g / 5 ms, 6, g / 10 ms shock resistance at rectangular impulse 10.3g / 5 ms, 10, g / 10 ms • at AC 16.3g / 5 ms, 10, g / 10 ms mechanical service life (operating systech block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical	size of contactor	S3
• auxiliary switch Yes power loss [W] for rated value of the current 15.9 W • at AC in hot operating state 15.9 W • at AC in hot operating state per pole 5.3 W • at AC in hot operating state per pole 5.3 W • of main circuit rated value of main circuit rated value 600 V • of main circuit rated value 600 V • of main circuit rated value 8 kV • of main circuit rated value 6 kV • of auxiliary circuit with degree of pollution 3 rated value 6 kV • of auxiliary circuit rated value 8 kV • of auxiliary science in rectangular impulse 8 kV • at AC 10.3g /5 ms, 6, g / 10 ms shock resistance with sine pulse 10.3g /5 ms, 10.g / 10 ms • at AC 10.000 000 • of ontactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical	product extension	
power loss [W] for rated value of the current 15.9 W • at AC in hot operating state per pole 5.3 W • without load current share typical 25 W insulation voltage 000 V • of main circuit with degree of pollution 3 rated value 600 V • of main circuit with degree of pollution 3 rated value 600 V • of main circuit with degree of pollution 3 rated value 600 V • of main circuit rated value 8 kV • of auxiliary circuit rated value 600 V • of main circuit rated value 600 V • of main circuit rated value 600 V • of auxiliary circuit rated value 600 V • at AC 10.3g / 5 ms, 6.g / 10 ms shock resistance at rectangular impulse • at AC • at AC 10.000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 0/00 1/2017 Ambient conditions 2000 m	 function module for communication 	No
• at AC in hot operating state prole 5.3 W • without load current share typical 25 W insultation voltage 25 W • of main circuit with degree of pollution 3 rated value 1000 V • of auxiliary circuit with degree of pollution 3 rated value 690 V surge voltage resistance 61 V • of auxiliary circuit rated value 61 V • at AC 10.3g / 5 ms, 6.g / 10 ms shock resistance at rectangular impulse 63 0 V • at AC 10 000 000 • of ontactor typical 10 000 000 • of the contactor with added electronically optimized 10 000 000 • of the contactor with added electronically optimized 030/t/2017 Ambient conditions 25 +60 °C instal	 auxiliary switch 	Yes
• at AC in hot operating state per pole 5.3 W • without load current share typical 25 W insulation voltage 1000 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 690 V • at AC 10.3g / 5 ms, 6, g / 10 ms • at AC 16.3g / 5 ms, 10.g / 10 ms • at AC 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000<	power loss [W] for rated value of the current	
• without load current share typical 25 W insulation voltage 1000 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 690 V • of main circuit rated value 8 kV • of auxiliary circuit rated value 690 V surge voltage resistance 690 V • of auxiliary circuit rated value 6 kV • at AC 10.3g / 5 ms, 6, g / 10 ms • at AC 16.3g / 5 ms, 10.g / 10 ms • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 2000 m	 at AC in hot operating state 	15.9 W
insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary circuit rated value a KV of auxiliary circuit rated value a KV of auxiliary circuit rated value b KV at AC at AC b core resistance with sine pulse at AC b core contactor with added electronically optimized a of the contactor with added electronically optimized a of the contactor with added electronically optimized b of the contactor with added auxiliary switch block typical b of the contactor with added auxiliary switch block typical b of the contactor with added auxiliary switch block typical b of the contactor with added auxiliary switch block typical b of the contactor with added auxiliary switch block typical b of the contactor with added auxiliary switch block typical b o	 at AC in hot operating state per pole 	5.3 W
	 without load current share typical 	25 W
• of auxillary circuit with degree of pollution 3 rated value 690 V surge voltage resistance 8 kV • of main circuit rated value 8 kV • of auxillary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 690 V • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance with sine pulse 10.3g / 5 ms, 10 g / 10 ms • at AC 16.3g / 5 ms, 10 g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during storage -55 +80 °C r	insulation voltage	
surge voltage resistance 8 kV • of main circuit rated value 8 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 6.g / 10 ms • at AC 10.3g / 5 ms, 6g / 10 ms shock resistance with sine pulse 16.3g / 5 ms, 10.g / 10 ms • at AC 10 000 000 • of the contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 30/301/2017 Ambient conditions -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 95 %	 of main circuit with degree of pollution 3 rated value 	1 000 V
• of main circuit rated value 8 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 690 V • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance with sine pulse - • at AC 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) - • of the contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 8136-2 Q Aubient conditions 2000 m ambient temperature - • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 %	 of auxiliary circuit with degree of pollution 3 rated value 	690 V
• of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 6 y 10.3g / 5 ms, 6, g / 10 ms • at AC 10.3g / 5 ms, 10.g / 10 ms shock resistance with sine pulse - • at AC 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) - • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % 95 % 95 %	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse at AC btock resistance with sine pulse at AC at AC for contactor typical of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor is according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient temperature during operation -25 +60 °C etaw °C relative humidity minimum 10 % 95 % 	 of main circuit rated value 	8 kV
coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance with sine pulse 16.3g / 5 ms, 10.g / 10 ms • at AC 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	 of auxiliary circuit rated value 	6 kV
• at AC 10.3g / 5 ms, 6.g / 10 ms shock resistance with sine pulse 16.3g / 5 ms, 10.g / 10 ms • at AC 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 50 %		690 V
shock resistance with sine pulse 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 16.3g / 5 ms, 10.g / 10 ms of contactor typical 10 000 000 of the contactor with added electronically optimized auxiliary switch block typical 5 000 000 of the contactor with added auxiliary switch block typical 10 000 000 of the contactor with added auxiliary switch block typical 10 000 000 of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C of during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 40 in circuit	shock resistance at rectangular impulse	
• at AC16.3g / 5 ms, 10.g / 10 msmechanical service life (operating cycles)0• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation • during storage-25 +60 °C -55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at AC	10.3g / 5 ms, 6,.g / 10 ms
mechanical service life (operating cycles) 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % maximum 95 %	shock resistance with sine pulse	
• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °C• during storage relative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at AC	16.3g / 5 ms, 10.g / 10 ms
 of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature during operation -25 +60 °C et during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit 	mechanical service life (operating cycles)	
auxiliary switch block typical I0 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % Main circuit 95 %	 of contactor typical 	10 000 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % Main circuit 95 %		5 000 000
Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % Main circuit 95 %	 of the contactor with added auxiliary switch block typical 	10 000 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 %	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum 2 000 m ambient temperature during operation -25 +60 °C during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit 4	Substance Prohibitance (Date)	03/01/2017
ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit	Ambient conditions	
• during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit	installation altitude at height above sea level maximum	2 000 m
• during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit	ambient temperature	
relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit 10 %	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	during storage	-55 +80 °C
Main circuit	relative humidity minimum	10 %
		95 %
number of poles for main current circuit 3	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	1 000 V
 at AC-3e rated value maximum 	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated 	125 A
value	
• at AC-1	
 — up to 690 V at ambient temperature 40 °C rated value 	125 A
— up to 690 V at ambient temperature 60 °C rated	105 A
value	
• at AC-3	
— at 400 V rated value	80 A
— at 500 V rated value	80 A
— at 690 V rated value	58 A
— at 1000 V rated value	30 A
• at AC-3e	
— at 400 V rated value	80 A
— at 500 V rated value	80 A
— at 690 V rated value	58 A
— at 1000 V rated value	30 A
 at AC-4 at 400 V rated value 	66 A
• at AC-5a up to 690 V rated value	110 A
• at AC-5b up to 400 V rated value	80 A
● at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	80 A
 — up to 400 V for current peak value n=20 rated value 	80 A
 — up to 500 V for current peak value n=20 rated value 	80 A
 — up to 690 V for current peak value n=20 rated value 	58 A
● at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	54 A
 — up to 400 V for current peak value n=30 rated value 	54 A
 — up to 500 V for current peak value n=30 rated value 	54 A
 — up to 690 V for current peak value n=30 rated value 	54 A
minimum cross-section in main circuit at maximum AC-1 rated value	50 mm ²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	34 A
at 690 V rated value	24 A
operational current	27 A
at 1 current path at DC-1	
— at 24 V rated value	100 A
— at 60 V rated value	60 A
— at 110 V rated value	9 A
— at 220 V rated value	2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.4 A
with 2 current paths in series at DC-1	
- at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	100 A
— at 440 V rated value	1.8 A
— at 600 V rated value	1.8 4
with 3 current paths in series at DC-1	
- at 24 V rated value	100 A
	100 A
- at 60 V rated value	
- at 110 V rated value	100 A
— at 220 V rated value	80 A
— at 440 V rated value	4.5 A

at 80 V miles value 228 A - at 81 V rates value 400 A - at 81 V rates value 40 A - at 80 V rates value 50 C S - at 80 V rates value 50 C C S - at 80 V rates value 50 C S - at 80 V rates value 50 C S - at 80 V rates value 50 C C S - at 80 V rates value 50 C C S - at 80 V rates value 50 C C C S - at 80 V rates value 50 C C C S - at 80 V rates value 50 C C C C S - at 80 V rates value 50 C C C C C C C C C C C C C C C C C C		
	— at 600 V rated value	2.6 A
	-	
# 220 V rade value1 A # 120 V rade value006 A # 120 V rade value100 A # 120 V rade value100 A # 120 V rade value100 A # 120 V rade value000 A # 120 V rade value020 A		
→ e80 V rated value 0.06 Å → with 2 current paths in series at DC-3 at DC-3 0.01 Å → at 34 V vited value 0.00 Å → at 60 V vited value 0.10 Å → at 60 V vited value 0.10 Å → at 60 V vited value 0.00 Å → at 60 V vited value 2.10 Vited value → at 60 V vited value 2.10 Vited value → at 60 V vited value 2.10 Vited value → at 60 V vited value 2.10 Vited value → at 60 V vited value 2.10 Vited value → at 60 V vited value 2.10 Vited value		
• with 2 current paths inseries at DC-3 at DC-3·- at 24 V raide value100 A- at 20 V raide value100 A- at 20 V raide value00 A- at 24 V raide value0.42 A- at 24 V raide value0.42 A- at 24 V raide value0.42 A- at 24 V raide value100 A- at 24 V raide value0.8 A- at 24 V raide value0.8 A- at 24 V raide value0.8 A- at 250 V raide value28 N- at 260 V raide value0.8 A- at 200 V raide value0.8 A- at 200 V raide value28 N- at 200 V raide value19 N- at 200 V raide value29 N- at 200 V raide value21 N <t< td=""><td></td><td></td></t<>		
- at 24 Vrated value100 A- at 110 Vrated value100 A- at 220 Vrated value00 A- at 220 Vrated value00 A- at 420 Vrated value0.22 A- at 600 Vrated value0.16 A- at 600 Vrated value100 A- at 724 Vrated value100 A- at 724 Vrated value100 A- at 724 Vrated value00 A- at 724 Vrated value0.9 A- at 725 Vrated value0.9 A- at 725 Vrated value0.9 A- at 725 Vrated value22 KW- at 725 Vrated value22 KW- at 725 Vrated value22 KW- at 725 Vrated value25 KW- at 726 Vrated value37 KW- at 727 Vrated value25 KW- at 728 Vrated value37 KW- at 729 Vrated value37 KW- at 720 Vrated value37 KW- at 720 Vrated value38 KW- at 720 Vrated value38 KW- at 720 Vrated value </td <td></td> <td>0.06 A</td>		0.06 A
• with 3 current path in series at DC-3 at DC-5		
		0.16 A
		400 A
at 800 V rated value0.35 Åoperating power37 kW- at 230 V rated value37 kW- at 230 V rated value22 kW- at 400 V rated value37 kW- at 600 V rated value37 kW- at 600 V rated value45 kW- at 600 V rated value55 kW- at 600 V rated value55 kW- at 700 V rated value55 kW- at 700 V rated value22 kW- at 700 V rated value25 kW- at 600 V rated value37 kW- at 600 V rated value21 kW• up to 230 V for current pask value n=20 rated value69 kVA• up to 230 V for current pask value n=20 rated value69 kVA• up to 630 V for current pask value n=30 rated value60 kVA• up to 630 V for current pask value n=30 rated value51 kVA• up to 630 V for current pask value n=30 rated value43 k kVA• up to 630 V for current pask value n=30 rated value53 k kVA• u		
operating power at AC-2 at 400 V rated value 37 kW • at AC-3		
• at AC-2 at 400 V rated value37 kW• at AC-322 kW- at 230 V rated value22 kW- at 600 V rated value37 kW- at 600 V rated value45 kW- at 600 V rated value55 kW- at 1000 V rated value55 kW- at 230 V rated value22 kW- at 230 V rated value37 kW• at 400 V rated value22 kW- at 230 V rated value22 kW- at 420 V rated value37 kW- at 420 V rated value37 kW- at 600 V rated value31 kVA- at 600 V rated value55 kN- at 600 V rated value55 kN- at 600 V for current peak value n=20 rated value69 kVA- ou to 230 V for current peak value n=30 rated value69 kVA- ou to 230 V for current peak value n=30 rated value64 kW- ou to 600 V for current peak value n=30 rated value64 kW- ou to 600 V for current peak value n=30 rated value64 kWA- ou to 600 V for current peak value n=30 rated value64 kWA- ou to 600 V for current peak value n=30 rated value64 kWA- ou to 600 V for current peak value n=30 rated value64 kWA		0.00 A
• at AC-32 KW- at 230 V rated value37 kW- at 500 V rated value45 kW- at 690 V rated value55 kW- at 690 V rated value56 kW- at 1000 V rated value77 kW- at 230 V rated value77 kW- at 400 V rated value77 kW- at 690 V rated value55 kW- at 690 V rated value77 kW- at 400 V rated value77 kW- at 400 V rated value71 kW- at 690 V rated value71 kW- at 400 V rated value71 kW- at 400 V rated value71 kW- at 400 V fract value81 kW- operating apparent power at AC-6a90 kVA- up to 500 V for current peak value n=20 rated value96 kVA- up to 500 V for current peak value n=30 rated value73 k kVA- up to 500 V for current peak value n=30 rated value64 kW- up to 500 V for current peak value n=30 rated value64 kW- up to 500 V for current peak value n=30 rated value64 kW- up to 500 V for current peak value n=30 rated value64 kW- up to 500 V for current peak value n=30 rated value64 kW- up to 500 V for current peak value n=30 rated value64 kW <tr< td=""><td></td><td>37 1/11</td></tr<>		37 1/11
		37 KVV
		22 1/11
at 680 V rated value55 kW at 1000 V rated value37 kW• at AC-3e at 230 V rated value22 kW at 400 V rated value37 kW at 690 V rated value45 kW at 690 V rated value55 kW at 690 V rated value37 kW at 600 V rated value17.9 kW at 600 V rated value21.8 kW operating apperent power 4 AC-6a11 kVA up to 230 V for current peak value n=20 rated value55 kVA up to 230 V for current peak value n=20 rated value69 kVA up to 230 V for current peak value n=20 rated value69 kVA up to 230 V for current peak value n=30 rated value21.5 kVA up to 500 V for current peak value n=30 rated value64.5 kVA up to 500 V for current peak value n=30 rated value64.5 kVA up to 500 V for current peak value n=30 rated value64.5 kVA up to 500 V for current peak value n=30 rated value64.5 kVA up to 500 V for current peak value n=30 rated value63.8 k.Use minimum cross-section acc. to AC-1 rated value inimited to 10 s switching at zero current maximum1186 A.Use minimum cross-section acc. to AC-1 rated value inimited to 10 s switching at zero current maximum638 A.Use minimum cross-section acc. to AC-1 rated value inimited to 50 s switching at zero current maximum638 A.Use minimum cross-s		
at 1000 V rated value37 kW at 230 V rated value22 kW at 230 V rated value22 kW at 230 V rated value27 kW at 630 V rated value45 kW at 630 V rated value55 kW at 630 V rated value37 kW at 630 V rated value37 kW at 630 V rated value55 kW at 1000 V rated value37 kW at 630 V rated value21.8 kW at 400 V rated value21.8 kW at 400 V rated value21.8 kW at 400 V for current peak value n=20 rated value59 kVA up to 520 V for current peak value n=20 rated value59 kVA up to 500 V for current peak value n=20 rated value69 kVA up to 500 V for current peak value n=20 rated value69 kVA up to 500 V for current peak value n=20 rated value69 kVA up to 500 V for current peak value n=30 rated value51 kVA up to 400 V for current peak value n=30 rated value64 kVA up to 500 V for current peak value n=30 rated value64 kVA up to 600 V for current peak value n=30 rated value64 kVA up to 610 s switching at zero current maximum1500 A; Use minimum cross-section acc. to AC-1 rated value at AC638 kJ Use minimum cross-section acc. to AC-1 rated value at AC538 A; Use minimum cross-section acc. to AC-1 rated value at AC538 A; Use minimum cross-section acc. to AC-1 rated value		
• at AC-3e- at 320 V rated value22 kW- at 400 V rated value37 kW- at 600 V rated value45 kW- at 600 V rated value56 kW- at 600 V rated value37 kW- at 1000 V rated value37 kW- at 600 V rated value17.9 kW- at 600 V rated value11.8 kW- at 600 V for current peak value n=20 rated value55 kVA- up to 520 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=30 rated value21.5 kVA- up to 500 V for current peak value n=30 rated value37.4 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA- up to 500 V for current peak value n=30 rated value45.7 kVA <td></td> <td></td>		
at 400 V rated value37 kW at 500 V rated value45 kW at 690 V rated value56 kW at 1000 V rated value37 kWoperating power for approx. 20000 operating cycles at AC-744- at 400 V rated value17.9 kW- at 600 V rated value21.8 kW- at 600 V rated value31 kVA- operating apparent power at AC-6a9 kVA- up to 230 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=20 rated value69 kVA- up to 690 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=30 rated value60 kVA- up to 500 V for current peak value n=30 rated value64.7 kVA- up to 500 V for current peak value n=30 rated value46.7 kVA- up to 500 V for current peak value n=30 rated value54.6 kVA- up to 500 V for current peak value n=30 rated value64.5 kVA- up to 500 V for current peak value n=30 rated value64.5 kVA- up to 600 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value- up to 600 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value- up to 600 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value- up to 600 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value- up to 600 V for current peak value n=		22 kW
- at 500 V rated value45 kW- at 690 V rated value55 kW- at 1000 V rated value37 kWoperating power for approx. 20000 operating cycles at AC• at 400 V rated value17.9 kW• at 690 V rated value17.9 kW• at 690 V rated value18 kVA• up to 230 V for current peak value n=20 rated value31 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=30 rated value64 kVA• up to 500 V for current peak value n=30 rated value74 kVA• up to 500 V for current peak value n=30 rated value74 kVA• up to 500 V for current peak value n=30 rated value64 k kVA• up to 500 V for current peak value n=30 rated value64 k kVA• up to 500 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value• up to 500 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value• up to 500 V for current peak value n=30 rated value53 k, Use minimum cross-section acc. to AC-1 rated value• up to 500 V for current peak value n=30 rated value1186 A; Use minimum cross-section acc. to AC-1 rated value• up to 500 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated		
at 690 V rated value55 kW at 1000 V rated value37 kWoperating power for approx. 200000 operating cycles at AC		
at 1000 V rated value37 kWoperating power for approx. 200000 operating cycles at AC-4 at 400 V rated value17.9 kW- at 690 V rated value21.8 kWoperating apparent power at AC-6a up to 230 V for current peak value n=20 rated value55 kVA- up to 500 V for current peak value n=20 rated value69 kVA- up to 500 V for current peak value n=20 rated value69 kVAoperating apparent power at AC-6a up to 500 V for current peak value n=20 rated value69 kVAoperating apparent power at AC-6a up to 500 V for current peak value n=30 rated value21.5 kVAoperating apparent power at AC-6a up to 500 V for current peak value n=30 rated value37.4 kVA- up to 500 V for current peak value n=30 rated value64.5 kVA- up to 680 V for current peak value n=30 rated value64.5 kVA- up to 680 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value- up to 680 V for current peak value n=30 rated value160 A; Use minimum cross-section acc. to AC-1 rated value- up to 680 V for current peak value n=30 rated value1186 A; Use minimum cross-section acc. to AC-1 rated value- up to 680 V for current peak value n=30 rated value55 kVA- up to 680 V for current peak value n=30 rated value45.7 kVA- up to 680 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value- ilmited to 1 s switching at zero current maximum55 kJ, Use minimum cross-section acc. to AC-1 rated		
operating power for approx. 200000 operating cycles at AC-4• at 400 V rated value17.9 kW• at 690 V rated value21.8 kWoperating apparent power at AC-6a31 kVA• up to 230 V for current peak value n=20 rated value31 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 230 V for current peak value n=30 rated value21.5 kVA• up to 230 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 680 V for current peak value n=30 rated value64.5 kVA• up to 680 V for current peak value n=30 rated value64.5 kVA• up to 680 V for current peak value n=30 rated value64.5 kVA• up to 680 V for current peak value n=30 rated value64.5 kVA• up to 680 V for current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum53 600 1/h• limited to 60 s switching at		
• at 690 V rated value21.8 kWoperating apparent power at AC-6a• up to 230 V for current peak value n=20 rated value31 kVA• up to 400 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=30 rated value71.5 kVA• up to 690 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value45.7 kVA• up to 690 V for current peak value n=30 rated value45.7 kVA• up to 690 V for current peak value n=30 rated value51.4 (VB minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum53 k, Use minimum cross-section acc. to AC-1 rated value		
• at 690 V rated value21.8 kWoperating apparent power at AC-6a• up to 230 V for current peak value n=20 rated value31 kVA• up to 400 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=30 rated value71.5 kVA• up to 690 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value45.7 kVA• up to 690 V for current peak value n=30 rated value45.7 kVA• up to 690 V for current peak value n=30 rated value51.4 (VB minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum53 k, Use minimum cross-section acc. to AC-1 rated value	4	
operating apparent power at AC-6a31 kVA• up to 230 V for current peak value n=20 rated value31 kVA• up to 400 V for current peak value n=20 rated value55 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 230 V for current peak value n=20 rated value69 kVA• up to 230 V for current peak value n=30 rated value69 kVA• up to 400 V for current peak value n=30 rated value21.5 kVA• up to 500 V for current peak value n=30 rated value37.4 kVA• up to 690 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1	• at 400 V rated value	17.9 kW
• up to 230 V for current peak value n=20 rated value31 kVA• up to 400 V for current peak value n=20 rated value55 kVA• up to 500 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVA• up to 230 V for current peak value n=30 rated value21.5 kVA• up to 400 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 500 V for current peak value n=30 rated value1500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1500 A; Use minimum cross-section acc. to AC-1 rated value• limit	• at 690 V rated value	21.8 kW
up to 400 V for current peak value n=20 rated value55 kVAup to 500 V for current peak value n=20 rated value69 kVAup to 690 V for current peak value n=20 rated value69 kVAoperating apparent power at AC-6a21.5 kVAup to 230 V for current peak value n=30 rated value37.4 kVAup to 500 V for current peak value n=30 rated value46.7 kVAup to 500 V for current peak value n=30 rated value64.5 kVAup to 690 V for current peak value n=30 rated value64.5 kVAup to 690 V for current peak value n=30 rated value64.5 kVAup to 500 V for current peak value n=30 rated value64.5 kVAup to 690 V for current peak value n=30 rated value64.5 kVAup to 690 V for current peak value n=30 rated value64.5 kVAup to 690 V for current peak value n=30 rated value64.5 kVAilmited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 1 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 10 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated valueilm	operating apparent power at AC-6a	
• up to 500 V for current peak value n=20 rated value69 kVA• up to 690 V for current peak value n=20 rated value69 kVAoperating apparent power at AC-6a21.5 kVA• up to 230 V for current peak value n=30 rated value21.5 kVA• up to 400 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 500 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s		
• up to 690 V for current peak value n=20 rated value69 kVAoperating apparent power at AC-6a-• up to 230 V for current peak value n=30 rated value21.5 kVA• up to 400 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum5000 1/h• at AC5 000 1/h		
operating apparent power at AC-6a21.5 kVA• up to 230 V for current peak value n=30 rated value21.5 kVA• up to 400 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value64.5 kVAshort-time withstand current in cold operating state up to 40°C1500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 0 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum500 1/h• at AC5 000 1/h		
• up to 230 V for current peak value n=30 rated value21.5 kVA• up to 400 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency5 000 1/h		69 kVA
• up to 400 V for current peak value n=30 rated value37.4 kVA• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value64.5 kVA• short-time withstand current in cold operating state up to 40 °C1500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum530 A; Use minimum cross-section acc. to AC-1 rated value• at AC5000 1/h		
• up to 500 V for current peak value n=30 rated value46.7 kVA• up to 690 V for current peak value n=30 rated value64.5 kVAshort-time withstand current in cold operating state up to 40 °C1500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum1186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum5000 1/h• at AC5 000 1/h		
• up to 690 V for current peak value n=30 rated value64.5 kVAshort-time withstand current in cold operating state up to 40 °C.• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency • at AC5 000 1/h		
short-time withstand current in cold operating state up to 40 °C1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency • at AC5 000 1/h		
40 °C • limited to 1 s switching at zero current maximum 1 500 A; Use minimum cross-section acc. to AC-1 rated value • limited to 5 s switching at zero current maximum 1 186 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 851 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 538 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 423 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching frequency 423 A; Use minimum cross-section acc. to AC-1 rated value • at AC 5 000 1/h operating frequency 5 000 1/h		04.0 KVA
• limited to 5 s switching at zero current maximum1 186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• no-load switching frequency5 000 1/h• at AC5 000 1/h		
• limited to 10 s switching at zero current maximum851 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum538 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum423 A; Use minimum cross-section acc. to AC-1 rated value• no-load switching frequency • at AC5 000 1/h• operating frequency5 000 1/h	 limited to 1 s switching at zero current maximum 	1 500 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 30 s switching at zero current maximum 538 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 423 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 5 000 1/h • at AC 5 000 1/h	 limited to 5 s switching at zero current maximum 	1 186 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 60 s switching at zero current maximum 423 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 5 000 1/h • at AC 5 000 1/h	 limited to 10 s switching at zero current maximum 	851 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency 5 000 1/h • at AC 5 000 1/h	 limited to 30 s switching at zero current maximum 	538 A; Use minimum cross-section acc. to AC-1 rated value
• at AC 5 000 1/h	 limited to 60 s switching at zero current maximum 	423 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency	no-load switching frequency	
	• at AC	5 000 1/h
• at AC-1 maximum 900 1/h	operating frequency	
	● at AC-1 maximum	900 1/h

• at AC-2 maximum	400 1/h
• at AC-3 maximum	1 000 1/h
• at AC-3e maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	208 V
• at 60 Hz rated value	208 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	348 VA
• at 60 Hz	296 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.62
• at 60 Hz	0.55
apparent holding power of magnet coil at AC	
• at 50 Hz	25 VA
• at 60 Hz	18 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.35
• at 60 Hz	0.41
closing delay	
• at AC	13 50 ms
opening delay	
• at AC	10 21 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NC contacts for auxiliary contacts instantaneous	1 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	1 10 A 6 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1 10 A 6 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	1 10 A 6 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	1 10 A 6 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	1 10 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 60 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value • at 60 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 10
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 410 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 110 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 1 A 10 A 10 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 250 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 10 A 10 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 20 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 10
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 250 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 10

	77. 4
at 480 V rated value	77 A
at 600 V rated value	62 A
yielded mechanical performance [hp]	
• for single-phase AC motor	7.5 hp
- at 110/120 V rated value	7.5 hp
— at 230 V rated value	15 hp
for 3-phase AC motor	05 hz
— at 200/208 V rated value	25 hp
— at 220/230 V rated value	30 hp
— at 460/480 V rated value	60 hp
— at 575/600 V rated value	60 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	
 — with type of coordination 1 required 	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)
 — with type of assignment 2 required 	gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)
 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	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
 side-by-side mounting 	Yes
height	140 mm
width	70 mm
depth	152 mm
required spacing	
 with side-by-side mounting 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
 for live parts 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control circuit 	spring-loaded terminals
at contactor for auxiliary contacts	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections for main contacts	$2x/25 = 25 \text{ mm}^2$ $1x/25 = 50 \text{ mm}^2$
finely stranded with core end processing	2x (2.5 35 mm²), 1x (2.5 50 mm²)
connectable conductor cross-section for main contacts	2.5. 16 mm ²
• solid	2.5 16 mm ²
 stranded finally stranded with core and processing 	6 70 mm ²
finely stranded with core end processing	2.5 50 mm ²
connectable conductor cross-section for auxiliary contacts	0.5 0.5 mm²
solid or stranded	0.5 2.5 mm ²
finely stranded with core end processing	0.5 2.5 mm ²
finely stranded without core end processing	0.5 2.5 mm²
 type of connectable conductor cross-sections for auxiliary contacts 	

— solid or stra	nded		2x (0 F	5 2.5 mm²)		
	led with core end process	ing		5 1.5 mm²)		
-	led without core end process	-		5 2.5 mm²)		
-	or auxiliary contacts	essing		16)		
	d connectable conducto	r cross	28 (20	10)		
 for main contacts 	i		10 2	2		
 for auxiliary contain 	acts		20 1	14		
Safety related data						
product function						
 mirror contact acc 	cording to IEC 60947-4-1		Yes			
 positively driven of 	operation according to IEC	C 60947-5-1	No			
suitability for use safety-	-related switching OFF		Yes			
B10 value with high den	nand rate according to SN	I 31920	1 000	000		
proportion of dangero	us failures					
 with low demand 	rate according to SN 319	20	40 %			
 with high demand 	d rate according to SN 319	920	73 %			
failure rate [FIT] with lov	w demand rate according	to SN 31920	100 FI	Т		
T1 value for proof test ir 61508	nterval or service life acco	rding to IEC	20 a			
protection class IP on	the front according to I	EC 60529	IP20			
touch protection on th	e front according to IEC	60529	finger-	safe, for vertical contact	from the front	
Certificates/ approvals						
	CCC	<u>Confirmatio</u>	'n	(UL) UL	<u>KC</u>	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of	Conform	nity	Test Certificates	
RCM	<u>Type Examination Cer-</u> tificate	UK CA		CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping						
ABS		Lloyds Register uis		PRS	RINA	RMRS R
other	Railway	Dangerous Go	od	Environment		
<u>Confirmation</u>	Vibration and Shock	Transport Inform	nation	Environmental Con- firmations		
Further information Siemens has decided	to evit the Russian mark	(et (see here)				

Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2045-3AM20 Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2045-3AM20

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

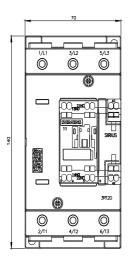
https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3AM20

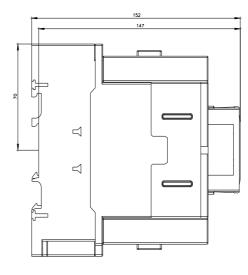
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

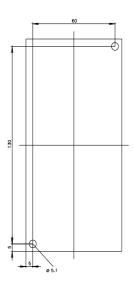
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-3AM20&lang=en

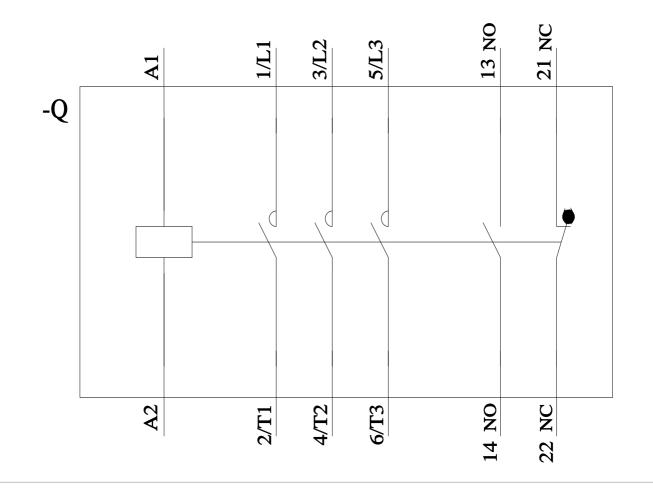
Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3AM20/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-3AM20&objecttype=14&gridview=view1









last modified:

8/15/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3RT20453AM20