SIEMENS

Data sheet

3RT2045-1AV00



power contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 400 V AC, 50 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S3 $\,$

product brand name SIRUS product brand designation 9x8r2 contactor product type designation 9x8r2 connector \$3 size of contactor \$3 product stension No - function module for communication No - auxiliary switch Yes power loss [V] for rated value of the current 5.3 W - at AC in hot operating state 5.3 W - of main circult with degree of pollution 3 rated value 600 V of main circult with degree of pollution 3 rated value 600 V - of auxiliary circult with degree of pollution 3 rated value 600 V - of auxiliary circult with degree of pollution 3 rated value 600 V - of auxiliary circult rated value 6kV - of auxiliary since bit evelopes 6kV - of auxiliary since bit evelopes 6kV - of auxiliary circult rated value 6kV - of auxiliary circult rated value 10.3g / 5 ms, 6.g / 10 m	473	
product type designation 3RT2 General technical data	product brand name	SIRIUS
General tochnical data S3 size of contactor S3 product extension 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 5.3 W • without load current share typical 7.3 W Insulation voltage 000 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 680 V • of main circuit with degree of pollution 3 rated value 680 V • of auxillary circuit rated value 64V • of auxillary circuit rated value 64V • of auxillary circuit rated value 680 V • of auxillary circuit rated value 680 V • of auxillary circuit rated value 680 V • at AC 10.3g / 5 ms, 6.g / 10 ms machinum permissible voltage for protective separation between coll and main contactor with added electronically optimized auxiliary switch block typical 1000 000 • at AC 10.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 000 000 • of the contactor with added alectronically optimized auxiliary switch block typical 10000 000 • of the contactor with added auxiliary switch block typical	product designation	Power contactor
size of contactor §3 product extension No • function module for communication No • auxilary 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 7.3 W insulation voltage 1 000 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of main circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 600 V shock resistance at rectangular impulse 6 30 V • at AC 10.3g / 5 ms, 6.g / 10 ms shock resistance with sine pulse 1000 000 • at AC 10 300 000 • of duaxiliary circuit rated value 5 000 000 • at AC 10 000 000 • of duaxiliary switch block typical 100 00000 • of the contactor with added electronically optimized auxiliary switch block typical 1000 000 • of the contactor with added suxiliary switch block typical 03001/2017 Ambient conditions 25 +60 "C relative humidity at 55 "C according to EC 60068-2-30 95 % Main circuit 10 %	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 15.9 W • at AC in hot operating state per pole 5.3 W • without load current share typical 7.3 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 main circuit rated value 640 V surge voltage for protective separation between coll and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 640 V • at AC 10.3g / 5 ms, 6., g / 10 ms shock resistance with sine pulse 600 000 • at AC 10.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 00 000 • of the contactor with added auxiliary switch block typical 00 000 • of the contactor with added auxiliary switch block typical 00 000 • of the contactor with added auxiliary switch block typical 00 000 • of the contactor with added auxiliary switch block typical <th>General technical data</th> <th></th>	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 7.3 W Insulation voitage 1000 V • of main circuit with degree of pollution 3 rated value 900 V • of main circuit atth degree of pollution 3 rated value 8kV • of main circuit atted value 8kV • of main circuit rated value 8kV • of main circuit rated value 8kV • of auxiliary circuit rated value 10.3g / 5 ms, 6, g / 10 ms * shock resistance with sine pulse 10 000 000 • at AC 10.3g / 5 ms, 10.g / 10 ms * at AC 10 000 000 • of contactor typical 10 000 000 • of the contactor typical 10 000 000 <	size of contactor	S3
• auxiliary switch Yes power loss [W] for rated value of the current 5.9 W • at AC in hot operating state per pole 5.3 W • at AC in hot operating state per pole 7.3 W • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 64 V • of main circuit rated value 64 V • of main circuit rated value 64 V • of auxiliary circuit with degree of poletive separation between col and main contacts according to EN 60947-1 690 V • at AC 10.3g / 5 ms, 6, g / 10 ms • at AC 10.3g / 5 ms, 10, g / 10 ms • at AC 10 000 000 • 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 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor	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 • withoot load current share typical 7.3 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 with degree of pollution 3 rated value 84V • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 90 V surge voltage for protective separation between coll and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse at AC 10.3g / 5 ms, 6.g / 10 ms shock resistance with sine pulse at AC 10.3g / 5 ms, 10.g / 10 ms e at AC 10 000 000 5 000 000 • of the contactor with added auxiliary switch block t	 function module for communication 	No
• at AC in hot operating state 15.9 W • at AC in hot operating state prole 5.3 W • without load current share typical 7.3 W insultation voltage 6.0 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 main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance at rectangular inpulse • at AC • at AC 10.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor with added electronically optimized 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 000 100 • of the contactor wi	auxiliary switch	Yes
• at AC in hot operating state per pole 5.3 W • without load current share typical 7.3 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 with degree of pollution 3 rated value 690 V • of auxiliary 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 • at AC 10.3 g / 5 ms, 6. g / 10 ms • at AC 10.3 g / 5 ms, 10. g / 10 ms • at AC 10 000 000 • of contactor typical 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 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical	power loss [W] for rated value of the current	
without load current share typical vitrout load current share typical 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 main circuit rated value of auxiliary circuit rate	 at AC in hot operating state 	15.9 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 with degree of pollution 3 rated value 690 V surge voltage resistance 8 kV • of auxiliary 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 16.3g / 5 ms, 10.g / 10 ms • at AC 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 reference code according to IEC 8136-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient temperature -05 +60 °C • during storage -25 +60 °C • during storage -25 +60 °C • during storage -25 +60 °C	 at AC in hot operating state per pole 	5.3 W
• of main circuit with degree of pollution 3 rated value 1 000 V • of auxiliary 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 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 690 V • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance with sine pulse 10 000 000 • at AC 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) 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 reference code according to EEC 81346-2 Q Substance Prohibitance (Date) 0200 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +60 °C • during storage -55 +60 °C • felative humidity minimum 10 % 9	 without load current share typical 	7.3 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 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 2000 m 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	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 coil and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 690 V • at AC 10.3g / 5 ms, 6g / 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 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 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 • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit Main circuit	 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 coll and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 6 kV • at AC 10.3g / 5 ms, 6, g / 10 ms shock resistance with sine pulse 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 0 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % 95 % 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 00 V • 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 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 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 storage -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 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 othe contactor go to the contactor with added auxiliary switch block typical of the contactor go to the contactor with added auxiliary switch block typical of othe contactor with added auxiliary switch block typical of othe contactor with addeed auxiliary switch block typical the contactor with addeed auxiliary switch block typical <	 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 - • 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 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 - • during operation - • during storage - • during storage - • during storage - • felative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 %	 of auxiliary circuit rated value 	6 kV
• at AC10.3g / 5 ms, 6.g / 10 msshock resistance with sine pulse		690 V
shock resistance with sine pulse i6.3g / 5 ms, 10.g / 10 ms e at AC 16.3g / 5 ms, 10.g / 10 ms mechanical service life (operating cycles) i0 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 operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main 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 000 000• of the contactor with added auxiliary switch block typical0 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum aubient temperature2 000 m• during operation • during storage-25 +60 °C• during storage-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 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	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-55 +80 °Crelative 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 typical5 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-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %Main circuit95 %	mechanical service life (operating cycles)	
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-25 +60 °C• during operation-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %Main circuit95 %	 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 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 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 % Main circuit	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 95 % Main circuit 95 %	 during operation 	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum 95 % Main circuit 95 %	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

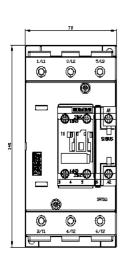
number of NO contacts for main contacts	3
operating voltage	
• at AC-3 rated value maximum	1 000 V
 at AC-3e rated value maximum 	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated 	125 A
value	
• at AC-1	
 — up to 690 V at ambient temperature 40 °C rated value 	125 A
— 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	2.77
• 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	10 A
— at 440 V rated value	1.8 A
— at 600 V rated value	1 A
 with 3 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	80 A
— at 440 V rated value	4.5 A

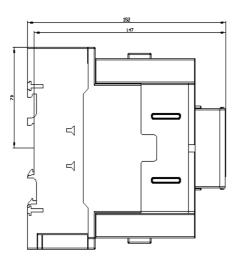
at 80 V miles value 228 A - at 81 V rates value 400 A - at 81 V rates value 40 A - at 80 V rates value 50 C S - at 80 V rates value 50 C C S - at 80 V rates value 50 C S - at 80 V rates value 50 C S - at 80 V rates value 50 C C S - at 80 V rates value 50 C C S - at 80 V rates value 50 C C C S - at 80 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 value25 A- at 725 Vrated value25 A- at 725 Vrated value25 AW- at 726 Vrated value37 AW- at 727 Vrated value25 AW- at 728 Vrated value37 AW- at 729 Vrated value37 AW- at 720 Vrated value <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 value45 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 4C-3a at 230 V rated value22 kW- at 420 V rated value37 kW- at 420 V rated value45 kW- at 630 V rated value37 kW- at 630 V rated value31 kVA- at 630 V rated value55 kA- at 630 V rated value55 kA- up to 230 V for current peak value n=20 rated value56 kVA- up to 530 V for current peak value n=30 rated value69 kVA- up to 630 V for current peak value n=30 rated value64 kVA- up to 630 V for current peak value n=30 rated value64 kVA- up to 630 V for current peak value n=30 rated value64 kVA- up to 630 V for current peak value n=30 rated value64 kVA- up to 630 V for current peak value n=30 rated value64 kVA- up to 630 V for current peak value n=30 r		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 value37 kW- at 600 V rated value17.9 kW- at 600 V rated value11.8 kW- at 600 V rated value11.8 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<		
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 value45.1 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 value45.1 kVA• up to 690 V for current peak value n=30 rated value45.1 kVA• up to 690 V for current peak value n=30 rated value45.1 kVA• up to 690 V for current peak value n=30 rated value45.1 kVA• up to 690 V for current peak value n=30 rated value45.1 kVA• up to 690 V for current peak value n=30 rated value51.1 kVA• up to 690 V for current peak value n=30 rated value51.2 kVA• limited to 19 s witching at zero current maximum53.8 k Use mini	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• limited to 1 s switching at zero current maximum1 500 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 851 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 maximum538 A; Use minimum cross-secti	• 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	400 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
 apparent pick-up power of magnet coil at AC at 50 Hz 	296 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.61
apparent holding power of magnet coil at AC	
• at 50 Hz	19 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.38
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 NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
 at 230 V rated value 	6 A
 at 400 V rated value 	3 A
 at 500 V rated value 	2 A
 at 690 V rated value 	1 A
operational current at DC-12	
 at 24 V rated value 	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
 at 110 V rated value 	3 A
 at 125 V rated value 	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
• at 24 V rated value	10 A
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
● at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
● at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
● at 480 V rated value	77 A
● at 600 V rated value	62 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	7.5 hp
— at 230 V rated value	15 hp

	• for 3-phase AC motor			
	 for 3-phase AC motor at 200/208 V rated value 	25 hp		
contact rating of auxiliary contracts according to UL A600 / P600 Short durantly protection Gesign of the tase link Gesign of the tase link - with type of condination i required gG: 250 A (690 V, 100 kA), akt. 150 A (690 V, 100 kA), BS88: 200 A (415 V, 80 K), 90 K) - with type of assignment 2 required gG: 10A (690 V, 100 kA), akt. 150 A (690 V, 100 kA), BS88: 125A (415V, 80 KA) - with type of assignment 2 required gG: 10A (690 V, 100 kA), akt. 150 A (690 V, 100 kA), BS88: 125A (415V, 80 KA) - with type of assignment 2 required gG: 10A (800 V, 100 kA), akt. 150 A (690 V, 100 kA), BS88: 125A (415V, 80 KA) - with type of assignment 2 required gG: 10A (800 V, 100 KA), akt. 150 A (690 V, 100 kA), BS88: 125A (415V, 80 KA) - for informating dimensions gG: 10A (800 V, 10A) gAtternation auxiliary atternation atternation auxiliary atternatexi. So mmi				
Short-Circuit protection design of the fuse link e vish or circuit protection of the main circuit - with type of coordination 1 required e vish or circuit protection of the main circuit e vish of cassignment 2 required e vish sole routing visit cassis 2 visit of visit visit of visit vis		•		
design of the fuse link I or stort-circuit protection of the sum dircuit with type of coordination 1 required ScoA (660 V, 100 kA), aki: 150 A (650 V, 100 kA), BS88: 200 A (415 V, 80 kA) of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit protection of the auxiliary with required of a short-circuit multification of the auxiliary with required of a short-circuit multification of a short-circuit multification of a short-circuit multification of a short-circuit multification of a short-circuit of a short-circui		A6007 P600		
with type of coordination 1 requiredgG: 20 A (80 V, 100 kA), abt: 160 A (800 V, 100 kA), ISSBE: 200 A (415 V, 80 RA)with type of assignment 2 required9G: 160 A (800 V, 100 kA), abt: 80A (800 V, 100 kA), ISSBE: 125A (415V 800 KA)is of the autility system required9G: 160 A (800 V, 100 kA), abt: 80A (800 V, 100 kA), ISSBE: 125A (415V 800 KA)is of the autility system required9G: 160 A (800 V, 100 kA), abt: 80A (800 V, 100 kA), ISSBE: 125A (415V 800 KA)is of the autility system required9G: 100 A (800 V, 10 kA), abt: 80A (800 V, 100 kA), ISSBE: 125A (415V 800 KA)is of the autility system required spaceserve and sanp-on mounting and 35 mm. DIN rail according to DIN EN 807 15is of the autility system required space100 mmis of the sole100 mm (rowards100 mm (rowards20 mm (rowards100 mm (rowards100 mm (rowards20 mm (rowards20 mm (rowards20 mm (rowards100 mm (rowards20 mm (rowards20 mm (rowards <t< td=""><td>-</td><td></td></t<>	-			
ich ich wh type of assignment 2 required gC: 100A (600V, 100AA), abl: 80A (600V, 100AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 100AA), abl: 80A (600V, 100AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 100AA), abl: 80A (600V, 100AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 10AA), abl: 80A (600V, 100AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 10AA), abl: 80A (600V, 100AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 10AA), abl: 80A (600V, 100AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 10AA), abl: 80A (600V, 10AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 10AA), abl: 80A (600V, 10AA), BSB8: 125A (415V, 80AA) installation/mounting/dimensions ich0A (600V, 10AA), BSB8: 125A (415V, 80AA) installatich0A (600V, 100AA) ich0A (600V, 10AA), BSB8: 12				
• or short-circuit protoction of the auxiliary switch required Installation/mounting/dimensions 9C: 10 A (500 V, 1 kA) Installation/mounting/dimensions ************************************	- with type of coordination 1 required			
Installation/mounting dimensions +/10% 'rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and backward by +/-22.5% on vertical mounting surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surface; can be tilted forward and bis doc by surfa	 — with type of assignment 2 required 	gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)		
meanting position +:180° rotation possible on vertical mounting surfaces festening method screw and snap-on mounting outlos • olde by side mounting Yes height 40 mm with side-by-side mounting To mm depth 182 mm • with side-by-side mounting - • with side-by-side mounting - - upwards 20 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - downwards 10 mm	 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)		
backward by +/- 22° on vertical mounting surface fastening method Server wan snap-on mounting on 35 mm DIN rail according to DIN EN 60715 height 140 mm height 140 mm required spacing 70 mm required spacing 70 mm - forwards 20 mm - forwards 20 mm - forwards 20 mm - downwards 10 mm - downwards 20 mm - forwards 20 mm - forwards 20 mm - forwards 20 mm - downwards 10 mm - downwards 50 mm - forwards 20 mm - downwards 50 mm - forwards 20 mm - downwards 50 mm - forwards 20 mm - downwards <th< td=""><td>Installation/ mounting/ dimensions</td><td></td></th<>	Installation/ mounting/ dimensions			
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • elde by-side mounting Yes • elde by-side mounting 70 mm • edgeth 160 mm • edgeth 160 mm • edgeth 20 mm • edgeth 00 mm - eqwards 20 mm - eqwards 00 mm - downwards 00 mm - downwards 00 mm - downwards 10 mm - downwards <	mounting position			
• side-by-side mountingYeshoight140 mmwidth70 mmdepth152 mmrequired spacing20 mmforwards20 mmforwards100 mmforwards10 mmdownwards10 mmdownwards00 mmdownwards10 mmdownwards10 mmdownwards10 mmdownwards10 mmdownwards10 mmforwards20 mmforwards10 mmforwards10 mmdownwards10 mmdownwards10 mmdownwards10 mmdownwards10 mmforwards10 mmforwards20 cmex-type terminalsforwards10 mmforwardsScrew-type terminalsforwards20 cmex-type terminalsforwards20 cmex-type terminalsforwards20 cmex-type terminalsforwards2515 mm²forwards0.52.5 mm²forwards0.52.5 mm²forwards		, , , , , , , , , , , , , , , , , , ,		
height 140 nm width 70 mm depth 70 mm required spacing 70 mm • with side-by-side mounting 20 mm - (nowards 20 mm - upwards 10 mm - downwards 00 mm - downwards 0 mm - downwards 0 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - upwards Screw-type terminals - downwards Screw-type terminals screw-type terminals Screw-type terminals if or auxiliary contacts Screw-type terminals if one stranded Screw-type t	-			
widh 70 mm depth 152 nm required spacing 152 nm - (lowards 20 mm - (lowards 10 mm - downwards 10 mm - downwards 10 mm - downwards 00 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downards 20 mm				
depth 152 mm required spacing				
required spacing • with side-by-side mounting - downwards 20 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - for grounded parts 0 mm - upwards 10 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - solid outortor cros-sec				
• with side-by-side mounting	-	152 mm		
- forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm- upwards20 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards20 mm- downwards10 mm- downwards2 crew-type terminals- for auxiliary and control circuitscrew-type terminals- of magnet coilScrew-type terminals- for auxiliary contacts2 c 2 5 35 mm²) 1x (2 5 50 mm²)- solid or standed with core end processing2 5 50 mm²- solid or standed with core end processing0 5 2 5 mm²- solid or standed with core end processing2 (0 5 1 5 mm²) 2x (0 7 5 2 5 mm²)-				
upwards10 mm downwards0 mm at the side0 mm forwards20 mm upwards10 mm upwards10 mm upwards10 mm downwards10 mm downwards5 crew-type terminals downwards5 crew-type terminals downwards5 crew-type terminals of maine contect for auxiliary contacts5 crew-type terminals of magnet coli5 crew-type terminals of magnet coli5 crew-type terminals of magnet coli5 crew-type terminals solid or stranded2 c. 2.5 35 mm²), 1x (2.5 50 mm²) solid or stranded5 crew-type terminals solid or stranded5 c. 2.5 mm² solid or stranded5 c. 2.5 mm² solid or stranded5 c. 2.5 mm²-				
-0 mm-at the side0 mm-at the side0 mm•for grounded parts20 mm-forwards20 mm-upwards10 mm-upwards10 mm-at the side10 mm-downwards10 mm-for live partsfor wards10 mm-upwards10 mm-upwards10 mm-upwards10 mm-downwards10 mm-downwards10 mm-upwards10 mm-downwards10 mm-downwardsScrew-type terminals-for auxiliary and control circuitscrew-type terminals-downwardsScrew-type terminals-for auxiliary contacts2x (2.5 35 mm²), 1x (2.5 50 mm²)-solid2.5 50 mm²-solid or standed0.5 2.5 mm²-solid or standed0.5 2.5 mm²-solid or standed2x (0.5 1.5 mm²),				
at the side0 mm• for grounded parts20 mm- forwards10 mm- upwards10 mm- at the side10 mm- at the side0 mm- downwards0 mm- for large parts20 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- domnatoscrew-type terminalsConnections/Terminalsscrew-type terminals- for main current circuitscrew-type terminals- for auxiliary and control circuitscrew-type terminals- of appet coliScrew-type terminals- for auxiliary contactsScrew-type terminals- for auxiliary contactsScrew-type terminals- of magnet coliScrew-type terminals- of magnet coliScrew-type terminals- of the stranded with core end processingScrew-type terminals- solid or stranded2.5	-			
• for grounded parts- forwards20 mm- upwards10 mm- d the side10 mm- downwards10 mm- for live parts20 mm- forwards20 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards50 mm ² - for auxiliary contacts50 mm ² - for auxiliary contacts50 mm ² - for gownel thic ore end processing25 mm ² - finely stranded with core end processing25 mm ² - finely stranded with core end processing25 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with core end processing55 mm ² - finely stranded with co		10 mm		
- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- forwards20 mm- forwards20 mm- upwards10 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm- for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactsscrew-type terminals• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)• solid2.5 fo mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (2.0 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (2.0 1.5 mm²), 2x (0.75 2		0 mm		
	 for grounded parts 			
at the side10 mm downwards10 mm- downwards10 mm- for live parts20 mm- upwards10 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side5 crew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet collScrew-type terminals• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)• solid6 70 mm²• solid or stranded6 70 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contactso.5 2.5 mm²• for auxiliary contactsyz (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AuXIG cables f	— forwards			
- downwards10 mm• for live parts20 mm- forwards20 mm- upwards10 mm- downwards10 mm- downwards10 mm- at the side10 mm- at the side0 mmConnections/ Terminalsscrew-type terminalstype of electrical connectionscrew-type terminals• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of magnet collScrew-type terminals• of magnet collscrew-type terminals• finely stranded with core end processing2.5 16 mm²• solidstranded• solids 70 mm²• sitranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contactsstranded• for auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for Auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for Auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for Auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)<	— upwards	10 mm		
• for live partsCommentation- forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mmConnections/TerminalsTerminalstype of electrical connectionscrew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of magnet coilScrew-type terminals• of connectable conductor cross-sections for main contactsscrew-type terminals• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)• solid2.5 16 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts solid or stranded• for auxiliary contacts solid or stranded• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AuxG cables for auxiliary contacts2x (20 1.6), 2x (18 14)AWG number as coded connectable conductor cross2x (20 1.6), 2x (18 14)				
- forwards20 mm- upwards10 mm- downwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/ TerminalsScrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• of nagnet coilScrew-type terminals• solid with core end processingSci• finely stranded with core end processingSci• for auxiliary contactsSci• of or auxiliary contactsSci• of or auxiliary contactsSci• of or auxiliary contactsSci• finely stranded with core end processingSci• for auxiliary contactsSci• of or auxiliary		10 mm		
- upwards10 mm- downwards10 mm- at the side10 mmConnections/ Terminalstype of electrical connectionof main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)• solid2.5 16 mm²• solid or stranded6 70 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2.2 (0.5	 for live parts 			
- downwards10 mm- at the side10 mmConnections/ Terminalstype of electrical connectionscrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control circuitScrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactsScrew-type terminals• finely stranded with core end processing2x (25 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contactsScrew-type terminals• solid6 70 mm²• solid5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• for auxiliary contacts-• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for Auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)<	— forwards			
at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactsScrew-type terminals• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contactsScrew-type terminals• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²)connectable conductor cross-section for auxiliary contactsScrew-type terminals• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with c				
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 Screw-type terminals • finely stranded with core end processing 2x (2.5 35 mm²), 1x (2.5 50 mm²) connectable conductor cross-section for main contacts 6 70 mm² • solid 2.5 16 mm² • stranded 6 70 mm² • finely stranded with core end processing 2.5 50 mm² connectable conductor cross-section for auxiliary contacts 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² type of connectable conductor cross-sections 0.5 2.5 mm² • for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section 2x (20 16), 2x (18 14)		10 mm		
type of electrical connection• for main current circuitscrew-type terminals• for auxillary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactsScrew-type terminals• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contacts2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²)connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for MWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for MWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts10 2		10 mm		
for main current circuitscrew-type terminals• for auxillary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactszx (2.5 35 mm²), 1x (2.5 50 mm²)• finely stranded with core end processing2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²)• finely stranded with core end processing2.5 50 mm²• finely stranded with core end processing2.5 50 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxillary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxillary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxillary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxillary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxillary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxillary contacts2x (0.5 1.6 m²), 2x (0.75 2.5 mm²)• for MWG cables for auxillary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)•	Connections/ Terminals			
• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contacts2x (2.5 35 mm²), 1x (2.5 50 mm²)• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contacts2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• for auxiliary contacts0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)• for main contacts10 2	type of electrical connection			
• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contacts2x (2.5 35 mm²), 1x (2.5 50 mm²)• finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contacts5.5 16 mm²• solid6 70 mm²• stranded6 70 mm²• stranded with core end processing2.5 50 mm²• finely stranded with core end processing2.5 50 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm², 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		screw-type terminals		
• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contacts • finely stranded with core end processing2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contacts2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	 for auxiliary and control circuit 	screw-type terminals		
type of connectable conductor cross-sections for main contacts2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contacts2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²)connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts solid or stranded• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2		Screw-type terminals		
2x (2.5 35 mm²), 1x (2.5 50 mm²)connectable conductor cross-section for main contacts2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²connectable conductor cross-section for auxiliary contacts2.5 50 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2		Screw-type terminals		
connectable conductor cross-section for main contacts2.5 16 mm²• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²type of connectable conductor cross-sections0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	type of connectable conductor cross-sections for main contacts			
• solid2.5 16 mm²• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²• connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2.4 (0.5 1.5 mm²), 2.2 (0.75 2.5 mm²)• for auxiliary contacts2.4 (0.5 1.5 mm²), 2.4 (0.75 2.5 mm²)• finely stranded with core end processing2.4 (0.5 1.5 mm²), 2.4 (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2.4 (0.5 1.5 mm²), 2.4 (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2.4 (0.5 1.5 mm²), 2.4 (0.75 2.5 mm²)• for number as coded connectable conductor cross section2.4 (0.5 1.5 mm²), 2.4 (0.75 2.5 mm²)• for main contacts10 2	 finely stranded with core end processing 	2x (2.5 35 mm²), 1x (2.5 50 mm²)		
• stranded6 70 mm²• finely stranded with core end processing2.5 50 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	connectable conductor cross-section for main contacts			
• finely stranded with core end processing2.5 50 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section2x (20 16), 2x (18 14)• for main contacts10 2	• solid	2.5 16 mm ²		
connectable conductor cross-section for auxiliary contacts• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²type of connectable conductor cross-sections0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	stranded	6 70 mm²		
• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• type of connectable conductor cross-sections•• for auxiliary contacts•- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts10 2	 finely stranded with core end processing 	2.5 50 mm²		
• finely stranded with core end processing0.5 2.5 mm²type of connectable conductor cross-sections0.5 2.5 mm²• for auxiliary contacts- solid or stranded- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	connectable conductor cross-section for auxiliary contacts			
type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - solid or stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts 10 2	 solid or stranded 	0.5 2.5 mm ²		
• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	 finely stranded with core end processing 	0.5 2.5 mm ²		
- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section10 2	type of connectable conductor cross-sections			
finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section 10 2	 for auxiliary contacts 			
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for main contacts 10 2	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
AWG number as coded connectable conductor cross section 10 2	 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
• for main contacts 10 2	 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)		
• for auxiliary contacts 20 14		10 2		
	 for auxiliary contacts 	20 14		

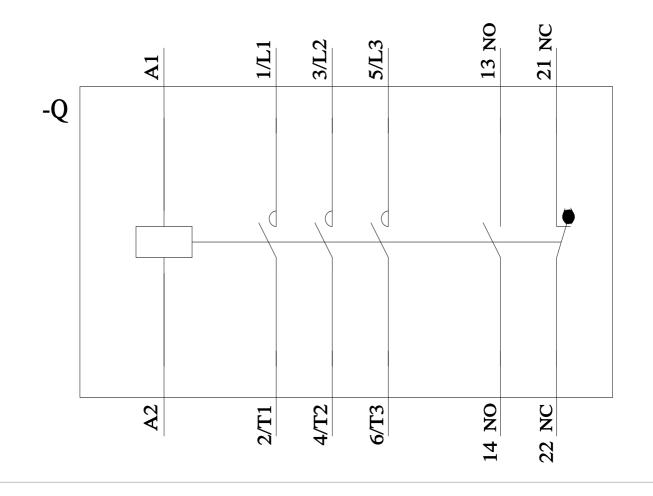
Safety related data					
product function			N/		
	according to IEC 60947-4-1	0 000 47 7 4	Yes		
, ,	en operation according to IE				
,	ability for use safety-related switching OFF		Yes		
	demand rate according to SN	N 31920	1 000 000		
proportion of dang					
	and rate according to SN 319		40 %		
	and rate according to SN 31		73 %		
	n low demand rate according		100 FIT		
T1 value for proof te 61508	st interval or service life acco	ording to IEC	20 a		
	on the front according to I	EC 60529	IP20		
-	n the front according to IEC		finger-safe, for vertical con	taat from the front	
Certificates/ approva		5 00529	inger-sale, for vertical con		
General Product A					
General Product A	рргочаг				
(SP)	(m)	Confirmation		KC	FAL
CSA					CUL
EMC	Functional Safety/Safety of Ma-	Declaration of	Conformity	Test Certificates	
	chinery		,		
A	Type Examination Cer- tificate	"	UK	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate
డ్రు		CC	- CÔ		
RCM		EG-Konf.			
ABS		Lloyds Register us	PRS	RINA	KMRS RMRS
other	Railway	Dangerous Go	od Environment		
Confirmation	Vibration and Shock	Transport Inform	ation <u>Environmental Cor</u> firmations	<u>⊢</u>	
			mmaions		
urther information					
	led to exit the Russian mar				
	s.com/global/en/pressrelease g on the renewal of the cur				
Please contact your	local Siemens office on the s	status of validity of	the EAC certification if you in	tend to import or offer to supp	ly these products to ar
	t (other than the sanctioned	EAEU member stat	es Russia or Belarus).		
Information on the https://support indus	packaging stry.siemens.com/cs/ww/en/v	ew/109813875			
	ownloadcenter (Catalogs, I				
https://www.siemens	s.com/ic10				
	ne ordering system) siemens.com/mall/en/en/Cat	alog/product?mlfb-	3072045 14\/00		
Cax online generat		alog/product?mlfD=	<u>51112040-1AVUU</u>		
•	ation.siemens.com/WW/CAX	Corder/default.aspx	?lang=en&mlfb=3RT2045-1A	<u>\V00</u>	
	Manuals, Certificates, Char)		
	<u>stry.siemens.com/cs/ww/en/p</u> roduct images, 2D dimensi		nodels, device circuit diag	ams, EPLAN macros)	
	on.siemens.com/bilddb/cax_				
	oping characteristics, I ² t, Le				
	stry.siemens.com/cs/ww/en/p				
	auco (e.g. electrical enotifal	ice, switching fre	quelley)		
RT20451AV00				Cubicatta a	hange without noti





 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-1AV00\&objecttype=14&gridview=view1$





last modified:

8/15/2023 🖸

Mouser Electronics

Authorized Distributor

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

Siemens: 3RT20451AV00