# **SIEMENS**

Data sheet 3RT2027-1AU60



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 277 V AC, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0  $\,$ 

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	6.3 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.3 W
without load current share typical	2.7 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-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	
number of poles for main current circuit	3

	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	50 A
value	
• at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	50 A
— up to 690 V at ambient temperature 60 °C rated	42 A
value	
• at AC-3	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
• at AC-3e	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
• at AC-4 at 400 V rated value	22 A
• at AC-5a up to 690 V rated value	44 A
• at AC-5b up to 400 V rated value	26.5 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	30.8 A
— up to 400 V for current peak value n=20 rated value	30.8 A
— up to 500 V for current peak value n=20 rated value	27 A
— up to 690 V for current peak value n=20 rated value	21 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	20.5 A
— up to 400 V for current peak value n=30 rated value	20.5 A
— up to 500 V for current peak value n=30 rated value	18 A
— up to 690 V for current peak value n=30 rated value	18 A
minimum cross-section in main circuit at maximum AC-1 rated	
	10 mm²
value	10 mm <sup>2</sup>
	10 mm²
value operational current for approx. 200000 operating cycles at	10 mm²
value operational current for approx. 200000 operating cycles at AC-4	
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value	12 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value	12 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current	12 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1	12 A 12 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value	12 A 12 A 35 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value	12 A 12 A 35 A 20 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value	12 A 12 A 35 A 20 A 4.5 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 22 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A 0.25 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 600 V rated value  — at 600 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A 0.25 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current  • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A 0.25 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 24 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value	12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  — at 220 V rated value  — at 220 V rated value  — at 600 V rated value  — at 24 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 10 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	12 A 12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 35 A 35 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 600 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 600 V rated value  — at 440 V rated value  — at 600 V rated value	12 A 12 A 12 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 35 A 36 A 37 A 38 A 38 A 39 A 30 A 30 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  — at 220 V rated value  — at 220 V rated value  — at 24 V rated value  — at 240 V rated value  — at 440 V rated value  — at 600 V rated value	12 A 12 A 12 A 35 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 36 A 37 A 38
poperational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 60 V rated value  — at 60 V rated value  — at 60 V rated value  — at 120 V rated value  — at 220 V rated value  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value	12 A 12 A 12 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 36 A 37 A 38
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 24 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 60 V rated value  — at 60 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 100 V rated value	12 A 12 A 12 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 36 A 37 A 38
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 600 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 20 V rated value	12 A 12 A 12 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 35 A 36 A 37 A 38
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 24 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 60 V rated value  — at 60 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 100 V rated value	12 A 12 A 12 A 20 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 A 36 A 37 A 38

	— at 24 V rated value	20 A
* with 2 current paths in series at DC-3 at DC-5  — at 24 V trited value — at 100 V rated value — at 200 V rated value — at 200 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — 35 A — at 220 V rated value — 35 A — at 220 V rated value — 36 A — at 220 V rated value — 37 A — at 420 V rated value — 38 A — at 220 V rated value — 39 A — at 220 V rated value — 39 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at 220 V rated value — 30 A — at		
		0.06 A
	-	05.4
with 3 current paths in series at DC-3 at DC-5		
* with 3 current paths in series at DC-3 at DC-5  — at 24 Y rated value — at 24 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 800 V rated value — at 800 V rated value  * at AC-2 — at 800 V rated value  * at 800 V facurent peak value n=20 rated value  * up to 400 V for current peak value n=20 rated value  * up to 400 V for current peak value n=20 rated value  * up to 500 V for current peak value n=20 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value n=30 rated value  * up to 500 V for current peak value		
		U.16 A
	•	05 A
at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 300 V rated value at 800 V rated value at 300 V rated value at 800 V rated value 20 rated value		
at 220 V rated value		
operating power		
Section		
at AC-2 at 400 V rated value     at AC-3     — at 230 V rated value     — at 400 V rated value     — at 400 V rated value     — at 400 V rated value     — at 690 V rated value     — at 400 V rated value     — at 690 V rated value     • at 690 V rated value     • at 690 V rated value     • up to 230 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 6		0.6 A
- at 230 V rated value		15 KVV
- at 500 V rated value		
at 230 V rated value		18.5 kW
at 590 V rated value at 690 V rated value 18.5 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 6 kW • at 690 V rated value 10.3 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 21.3 kVA • up to 400 V for current peak value n=20 rated value 23.3 kVA • up to 690 V for current peak value n=20 rated value 25 kVA  operating apparent power at AC-6a • up to 500 V for current peak value n=20 rated value 25 kVA  operating apparent power at AC-6a • up to 690 V for current peak value n=30 rated value 25 kVA  operating apparent power at AC-6a • up to 500 V for current peak value n=30 rated value 8.1 kVA • up to 500 V for current peak value n=30 rated value 14.2 kVA • up to 500 V for current peak value n=30 rated value 15.5 kVA  oup to 690 V for current peak value n=30 rated value 21.5 kVA  short-time withstand current in cold operating state up to 40 °C  olimited to 1 s switching at zero current maximum 499 A; Use minimum cross-section acc. to AC-1 rated value 1imited to 60 s switching at zero current maximum 499 A; Use minimum cross-section acc. to AC-1 rated value 1imited to 60 s switching at zero current maximum 199 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross-section acc. to AC-1 rated value 162 A; Use minimum cross		
operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value at 680 V rated value be at 690 V rated value coperating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 21.5 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 50 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum Al (32 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum Al (32 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum Al (32 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum Al (32 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum Al (32 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum Al (35 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum Al (45 A), Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum Al (45 A), Use minimum cross-section acc. to AC-1 rated		
operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current ma		
• at 400 V rated value     • at 690 V rated value     • at 690 V rated value     • at 690 V rated value  operating apparent power at AC-6a     • up to 230 V for current peak value n=20 rated value     • up to 400 V for current peak value n=20 rated value     • up to 690 V for current peak value n=20 rated value     • up to 690 V for current peak value n=20 rated value     • up to 690 V for current peak value n=30 rated value     • up to 230 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • limited to 1 s switching at zero current maximum     • limited to 1 s switching at zero current maximum     • limited to 10 s switching at zero current maximum     • limited to 65 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switchin		18.5 kW
at 400 V rated value at 690 V rated value  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value vup to 690 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value sup to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value vup to 690 V for c		
• at 690 V rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 590 V for current peak value n=30 rated value  • up to 590 V for current peak value n=30 rated value  • limited to 1 s switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • lim		6 kW
operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum		
up to 230 V for current peak value n=20 rated value     up to 400 V for current peak value n=20 rated value     up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value     23.3 kVA     up to 690 V for current peak value n=20 rated value     25 kVA   operating apparent power at AC-6a     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     up to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current maximum     vup to 690	operating apparent power at AC-6a	
up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 25 kVA  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 15 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s		12.2 kVA
up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value      operating apparent power at AC-6a     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     up to 690 V for current peak value n=30 rated value     up to 690 V for current peak value n=30 rated value     vup to 690 V for current peak value n=30 rated value     vup to 690 V for current in cold operating state up to 40 °C     ilimited to 1 s switching at zero current maximum     ilimited to 5 s switching at zero current maximum     ilimited to 10 s switching at zero current maximum     ilimited to 30 s switching at zero current maximum     ilimited to 60 s switching at zero current maximum     ilimi	·	
• up to 690 V for current peak value n=20 rated value     operating apparent power at AC-6a     • up to 230 V for current peak value n=30 rated value     • up to 400 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • limited to 1 s switching at zero current maximum     • limited to 5 s switching at zero current maximum     • limited to 5 s switching at zero current maximum     • limited to 10 s switching at zero current maximum     • limited to 30 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     10-load switching frequency     • at AC     5 000 1/h  operating frequency  • at AC-1 maximum     1 000 1/h     • at AC-2 maximum     750 1/h     • at AC-3 maximum     750 1/h     • at AC-4 maximum     9		
operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  short-time withstand current in cold operating state up to  40°C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  100 1/h  • at AC-2 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum	·	
up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 21.5 kVA  short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum shifted to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10	·	
<ul> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>21.5 kVA</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		8.1 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>loo 1/h</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
<ul> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s switching at zero current maximum</li> <li>limited to 40 s</li></ul>		15.5 kVA
short-time withstand current in cold operating state up to 40 °C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  109 A; Use minimum cross-section acc. to AC-1 rated value  • limited to 60 s switching at zero current maximum  162 A; Use minimum cross-section acc. to AC-1 rated value  no-load switching frequency  • at AC  5 000 1/h  operating frequency  • at AC-1 maximum  1 000 1/h  • at AC-3 maximum  750 1/h  • at AC-3 maximum  750 1/h  • at AC-4 maximum  250 1/h		
40 °C	·	
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
<ul> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 e maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>260 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-se</li></ul>	<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	499 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 e maximum</li> <li>at AC-4 maximum</li> <li>at AC-6 maximum</li> <li>at AC-7 maximum</li> <li>at AC-8 maximum</li> <li>at AC-9 maximum</li> <li>at AC-1 maximum</li> <li>at AC-1 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-5 maximum</li> <li>at AC-6 maximum</li> <li>at AC-7 maximum</li> <li>at AC-9 max</li></ul>	<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	341 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 e maximum</li> <li>at AC-4 maximum</li> <li>at AC-5 l/h</li> <li>at AC-6 maximum</li> <li>at AC-7 maximum</li> <li>at AC-8 maximum</li> <li>at AC-9 maximum</li> <li< td=""><td><ul> <li>limited to 10 s switching at zero current maximum</li> </ul></td><td>260 A; Use minimum cross-section acc. to AC-1 rated value</td></li<></ul>	<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	260 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	199 A; Use minimum cross-section acc. to AC-1 rated value
● at AC  operating frequency  ● at AC-1 maximum  • at AC-2 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 e maximum  • at AC-4 maximum  • at AC-4 maximum  250 1/h	limited to 60 s switching at zero current maximum	162 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency         • at AC-1 maximum       1 000 1/h         • at AC-2 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-3e maximum       750 1/h         • at AC-4 maximum       250 1/h	no-load switching frequency	
<ul> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>	• at AC	5 000 1/h
<ul> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>	operating frequency	
<ul> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>	at AC-1 maximum	1 000 1/h
<ul> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>	• at AC-2 maximum	750 1/h
• at AC-4 maximum 250 1/h	• at AC-3 maximum	750 1/h
	• at AC-3e maximum	750 1/h
Control circuit/ Control		250 1/h
	Control circuit/ Control	

Section   Supply voltage at AC   at 8th Pt. radio value   supply voltage rated value   supplement pole at AC   supplement po	type of voltage of the control supply voltage	AC
• at 80 Hz rated value   277 V   277 V   278	type of voltage of the control supply voltage	AU .
Department part   Act   Department   Depar		277 V
### 160 Hz apparent pick-up power of magnet coil at AC	operating range factor control supply voltage rated value of	211 V
sparent plok-up power of magnet coil at AC		0.85 1.1
### ### ### #### #####################		0.00 1.1
### ### ### ### ### ### ### ### ### ##		87 VA
apparent holding power of magnet coil at AC	inductive power factor with closing power of the coil	
Inductive power factor with the holding power of the coil	• at 60 Hz	0.76
Inductive power factor with the holding power of the coil	apparent holding power of magnet coil at AC	
160 Hz	• at 60 Hz	9.4 VA
AC   AC   AC   AC   AC   AC   AC   AC	inductive power factor with the holding power of the coil	
• at AC         840 ms           opening delay         416 ms           • at AC         416 ms           control version of the switch operating mechanism         Standard A1 - A2           Notificity circuit           number of NC contacts for auxiliary contacts instantaneous contact           on number of NC contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           • al 230 V rated value         30 A           • al 420 V rated value         3A           • al 450 V rated value         10 A           • al 480 V rated value         10 A           • al 480 V rated value         10 A           • al 480 V rated value         6A           • al 48 V rated value         6A           • al 126 V rated value         2A           • al 126 V rated value         1A           • al 126 V rated value         2A           • al 126 V rated value         2A           • al 126 V rated value         1A           • al 220 V rated value         2A           • al 220 V rated value         2A           • al 48 V rated value         2A           • al 48 V rated value         3A           • al 480 V r	at 60 Hz	0.28
a   AC		
		8 40 ms
arcing time   10 10 ms   Standard A1 - A2		
Abording virsuit   Abording with operating mechanism   Standard A1 - A2		
Auxillary circuit number of NC contacts for auxillary contacts instantaneous contact number of NO contacts for auxillary contacts instantaneous contact number of NO contacts for auxillary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-13 maximum  operational current at AC-15  • alt 230 V rated value  • alt 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 600 V rated value  • at 48 V rated value  • at 48 V rated value  • at 60 V rated value  • at 100 V rated v		
number of NC contacts for auxiliary contacts instantaneous contact   1	· · ·	Statitual U.A.T AZ
contact         number of NO contacts for auxillary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 230 V rated value         3 A           • at 4500 V rated value         2 A           • at 500 V rated value         1 A           • operational current at DC-12         10 A           • at 24 V rated value         6 A           • at 24 V rated value         6 A           • at 110 V rated value         3 A           • at 125 V rated value         6 A           • at 110 V rated value         2 A           • at 220 V rated value         1 A           • at 220 V rated value         0.15 A           • at 24 V rated value         0.15 A           • at 34 V rated value         2 A           • at 34 V rated value         2 A           • at 48 V rated value         2 A           • at 34 V rated value         2 A           • at 32 V rated value         0.9 A           • at 110 V rated value         0.9 A           • at 220 V rated value         0.1 A           • at 320 V rated value         0.1 A           • at 340 V rated value         2 A <t< th=""><td></td><td>1</td></t<>		1
contact         contact           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           at 230 V rated value         3 A           at 4500 V rated value         2 A           at 690 V rated value         1 A           operational current at DC-12         10 A           at 24 V rated value         6 A           at 80 V rated value         6 A           at 110 V rated value         6 A           at 125 V rated value         1 A           at 125 V rated value         1 A           at 600 V rated value         1 A           at 600 V rated value         1 A           at 600 V rated value         10 A           at 48 V rated value         2 A           at 24 V rated value         2 A           at 24 V rated value         2 A           at 110 V rated value         2 A           at 110 V rated value         2 A           at 250 V rated value         0.9 A           at 250 V rated value         0.9 A           at 250 V rated value         0.1 A           contact ratiability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           ULICSA ratings         7 A <t< th=""><td>contact</td><td></td></t<>	contact	
Operational current at AC-15   • at 230 V rated value		'
• at 230 V rated value 3 A   • at 400 V rated value 2 A   • at 500 V rated value 2 A   • at 500 V rated value 3 A   • at 500 V rated value 1 A    Operational current at DC-12   • at 24 V rated value 6 A   • at 60 V rated value 6 A   • at 60 V rated value 6 A   • at 110 V rated value 3 A   • at 125 V rated value 1 A   • at 220 V rated value 1 A   • at 80 V rated value 2 A   • at 80 V rated value 2 A   • at 80 V rated value 3 A   • at 80 V rated value 1 A   • at 80 V rated value 2 A   • at 110 V rated value 2 A   • at 110 V rated value 2 A   • at 110 V rated value 1 A   • at 125 V rated value 2 A   • at 110 V rated value 3 A   • at 220 V rated value 3 A   • at 220 V rated value 3 A   • at 80 V rated value 5 A   • at 80 V rated value 7 A   • at 80 V rated value 8 A   • at 80 V rated value 9 A   • at 80 V r	operational current at AC-12 maximum	10 A
• at 400 V rated value	operational current at AC-15	
• at 500 V rated value         1 A           operational current at DC-12         10 A           • at 24 V rated value         10 A           • at 48 V rated value         6 A           • at 60 V rated value         3 A           • at 110 V rated value         2 A           • at 220 V rated value         1 A           • at 80 V rated value         0.15 A           operational current at DC-13         ***		
• at 690 V rated value         1A           operational current at DC-12         • at 24 V rated value         6 A           • at 48 V rated value         6 A           • at 60 V rated value         3 A           • at 110 V rated value         1 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           • at 24 V rated value         2 A           • at 80 V rated value         2 A           • at 80 V rated value         2 A           • at 110 V rated value         2 A           • at 110 V rated value         2 A           • at 125 V rated value         0.9 A           • at 220 V rated value         0.3 A           • at 220 V rated value         0.3 A           • at 800 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UUCSA ratings         27 A           • at 480 V rated value         27 A           • at 480 V rated value         2 P           • at 600 V rated value         2 P           • at 600 V rated value         2 P           • at 600 V rated value         2 P		
oat 24 V rated value         10 A           a at 24 V rated value         6 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         1 A           at 220 V rated value         10 A           at 600 V rated value         0.15 A           Operational current at DC-13           at 24 V rated value         2 A           at 48 V rated value         2 A           at 60 V rated value         2 A           at 110 V rated value         2 A           at 110 V rated value         0.9 A           at 125 V rated value         0.9 A           at 220 V rated value         0.3 A           at 220 V rated value         0.1 A           Contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1           full-load current (FLA) for 3-phase AC motor         27 A           at 480 V rated value         27 A           at 600 V rated value         27 A           at 600 V rated value         2 hp           af 500 V rated value         5 hp           af 500 V rated value         6 ro single-phase		
		1 A
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 110 V rated value • at 600 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 7 A • at 480 V rated value • at 480 V rated value • at 7 A • at 110/120 V rated value • at 600 V rated value • at 27 A • at 110/120 V rated value • at 200/208 V rated value • at 200/208 V rated value • for 3-phase AC motor  — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor	·	40 A
at 160 V rated value     at 110 V rated value     at 125 V rated value     at 126 V rated value     at 220 V rated value     at 600 V rated value     at 600 V rated value     at 600 V rated value     o.15 A  Operational current at DC-13      at 24 V rated value     at 48 V rated value     at 60 V rated value     at 100 V rated value     at 100 V rated value     at 110 V rated value     at 125 V rated value     at 125 V rated value     at 126 V rated value     at 127 V rated value     at 127 V rated value     at 128 V rated value     at 129 V rated value     at 129 V rated value     at 120 V rated value     at 120 V rated value     at 600 V rated value     27 A  Ontact reliability of auxiliary contacts  full-load current (FLA) for 3-phase AC motor     at 480 V rated value     at 600 V rated value     at 220 V rated value     at 100/120 V rated value     at 230 V rated value     at 240/230 V rated value     at 240/240 V rated value     at 240 V rated value		
at 110 V rated value     at 220 V rated value     at 220 V rated value     at 600 V rated value     at 48 V rated value     at 110 V rated value     at 48 V rated value     at 110 V rated value     at 120 V rated value     at 220 V rated value     at 200 V rated value     at 600 V rated value     27 A     at 600 V rated value     at 600 V rated value     at 600 V rated value     at 200 V rated value     at 600 V rated value     at 200 V		
Operational current at DC-13   • at 24 V rated value		
• at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 480 V rated value • at 220 V rated value • at 600 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 200 bp	at 600 V rated value	0.15 A
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>at 27 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 210/120 V rated value</li> <li>for 3-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>10 hp</li> <li>at 220/230 V rated value</li> <li>10 hp</li> <li>at 460/480 V rated value</li> <li>20 hp</li> </ul>	operational current at DC-13	
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 230 V rated value</li> <li>bhp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> </ul>	at 24 V rated value	10 A
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>b hp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>10 hp</li> <li>at 200/480 V rated value</li> </ul> </li> <li>at 460/480 V rated value</li> <li>20 hp</li> </ul>	• at 48 V rated value	2 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 20 V rated value</li> <li>bp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>bp</li> </ul> </li> <li>at 200/208 V rated value</li> <li>10 hp</li> <li>at 200/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> </ul>	at 60 V rated value	2 A
	• at 110 V rated value	
otated value     ontact 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     otat 480 V rated value     otat 600 V rated value     otat 110/120 V rated value     otat 230 V rated value     otat 230 V rated value     otat 200/208 V rated value     otat 200/208 V rated value     otat 200/230 V rated value     otat 200/240 V rated value     otat 200/250 V rated value		
contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  27 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  2 hp  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  20 hp		
### Full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  27 A   ### yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  2 hp — at 230 V rated value  5 hp  • for 3-phase AC motor  — at 200/208 V rated value  10 hp — at 220/230 V rated value  10 hp — at 460/480 V rated value  20 hp		
full-load current (FLA) for 3-phase AC motor         ● at 480 V rated value       27 A         ● at 600 V rated value       27 A         yielded mechanical performance [hp]         ● for single-phase AC motor       2 hp         — at 110/120 V rated value       5 hp         ● for 3-phase AC motor       - at 200/208 V rated value       10 hp         — at 220/230 V rated value       10 hp         — at 460/480 V rated value       20 hp	<u> </u>	1 faulty switching per 100 million (17 V, 1 mA)
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>27 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> </ul> </li> </ul>		
<ul> <li>◆ at 600 V rated value</li> <li>27 A</li> <li>yielded mechanical performance [hp]</li> <li>◆ for single-phase AC motor</li> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>5 hp</li> <li>♦ for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>20 hp</li> </ul>		27 Δ
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 2 hp  — at 230 V rated value 5 hp  • for 3-phase AC motor  — at 200/208 V rated value 10 hp  — at 220/230 V rated value 10 hp  — at 460/480 V rated value 20 hp		
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> </ul> </li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> </ul> <li>10 hp</li> <li>at 460/480 V rated value</li> <li>20 hp</li>		
<ul> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>• for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>2 hp</li> <li>5 hp</li> <li>10 hp</li> <li>20 hp</li> </ul>		
<ul> <li>— at 230 V rated value</li> <li>• for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>20 hp</li> </ul>	- 1	2 hp
● for 3-phase AC motor  — at 200/208 V rated value 10 hp  — at 220/230 V rated value 10 hp  — at 460/480 V rated value 20 hp		
— at 220/230 V rated value       10 hp         — at 460/480 V rated value       20 hp	• for 3-phase AC motor	
— at 460/480 V rated value 20 hp	— at 200/208 V rated value	10 hp
	— at 220/230 V rated value	10 hp
— at 575/600 V rated value	— at 460/480 V rated value	20 hp
20 TIP	— at 575/600 V rated value	25 hp

contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA)
— with type of assignment 2 required	gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
nstallation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
side-by-side mounting	Yes
height	85 mm
width	45 mm
depth	97 mm
required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
type of commentation of the comments of the co	
• solid	2x (1 2.5 mm²) 2x (2.5 10 mm²)
solid     solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²) 2x (2.5 10 mm²)
solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
solid or stranded     finely stranded with core end processing	
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
solid or stranded     finely stranded with core end processing     connectable conductor cross-section for main contacts     solid	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 1 10 mm²
solid or stranded     finely stranded with core end processing     connectable conductor cross-section for main contacts     solid     stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 1 10 mm² 1 10 mm²
solid or stranded     finely stranded with core end processing     connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 1 10 mm²
solid or stranded     finely stranded with core end processing     connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm²
solid or stranded     finely stranded with core end processing     connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts     solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm²
solid or stranded     finely stranded with core end processing     connectable conductor cross-section for main contacts         solid         stranded         finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts         solid or stranded         finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm²
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm²
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm²
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts     solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 2 10 mm² 2 10 mm² 2 2.5 mm² 2 2.5 mm²
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts     — solid or stranded     — finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 2 10 mm²
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts     — solid or stranded     — finely stranded with core end processing     for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 2 10 mm² 2 10 mm² 2 10 mm²
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts     — solid or stranded     — finely stranded with core end processing     for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts     — solid or stranded     — finely stranded with core end processing     for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for main contacts     for auxiliary contacts  Safety related data  product function	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)
solid or stranded     finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm² 1 10 mm² 1 10 mm² 0.5 2.5 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)

B10 value with high demand rate according to SN 31920	450 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front

### **General Product Approval**



Confirmation





**KC** 



**EMC** 

**Functional** Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Cer**tificate** 





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

#### Marine / Shipping













other

Railway

Environment

Confirmation



Vibration and Shock

**Environmental Confirmations** 

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

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

Information on the packaging

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2027-1AU60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-1AU60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT202

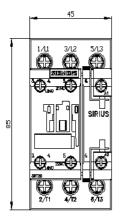
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2027-1AU60&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2027-1AU60&lang=en</a>

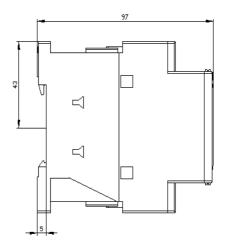
Characteristic: Tripping characteristics, I2t, Let-through current

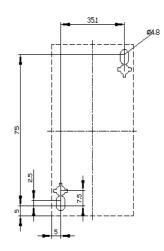
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-1AU60/char

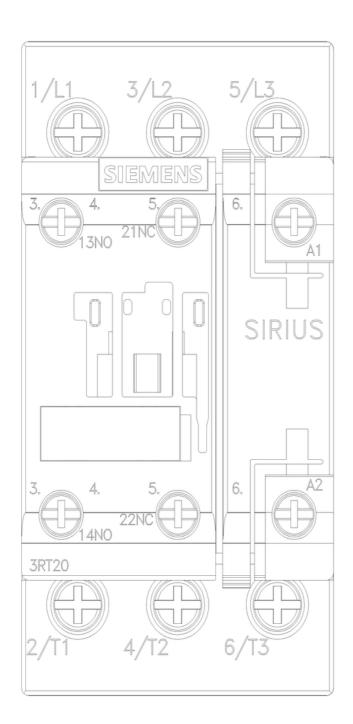
Further characteristics (e.g. electrical endurance, switching frequency)

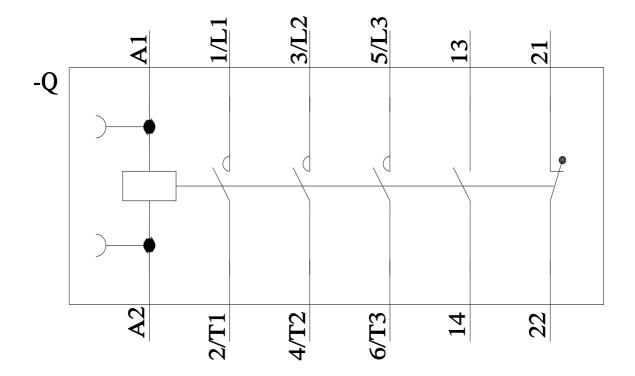
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-1AU60&objecttype=14&gridview=view1











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