## **SIEMENS**

## **Data sheet**

3RT2017-2MB41-0KT0



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V DC, 0.85-1.85  $^{\star}$  Us, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00, not expandable with auxiliary switch

product brand name	SIRIUS
product designation	Coupling contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	No
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	1.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W
<ul> <li>without load current share typical</li> </ul>	1.6 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	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 DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
• at AC-3 rated value maximum	690 V

<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	22 A
• at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	22 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	20 A
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	7.2 A
— up to 400 V for current peak value n=20 rated value	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
— up to 690 V for current peak value n=20 rated value	6.7 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated	4 mm²
AC-4	
at 400 V rated value  at 690 V rated value	4.1 A
• at 690 V rated value	4.1 A 3.3 A
at 690 V rated value     operational current	
at 690 V rated value  operational current      at 1 current path at DC-1	3.3 A
at 690 V rated value  operational current  at 1 current path at DC-1  — at 24 V rated value	3.3 A 20 A
at 690 V rated value  operational current  at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value	3.3 A 20 A 20 A
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	3.3 A 20 A 20 A 2.1 A
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	3.3 A  20 A  20 A  2.1 A  0.8 A
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	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A
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	3.3 A  20 A  20 A  2.1 A  0.8 A
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	3.3 A  20 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A
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 24 V rated value  at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A
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	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A
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 60 V rated value  at 110 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A
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 420 V rated value  at 440 V rated value  at 600 V rated value  at 24 V rated value  at 24 V rated value  at 60 V rated value  at 60 V rated value  at 110 V rated value  at 220 V rated value  at 220 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  12 A  1.6 A
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  at 60 V rated value  at 110 V rated value  at 110 V rated value  at 220 V rated value  at 440 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  21 A  20 A  20 A  20 A  20 A  20 A  20 A
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  at 60 V rated value  at 110 V rated value  at 110 V rated value  at 220 V rated value  at 440 V rated value  at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  12 A  1.6 A
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 60 V rated value      — at 110 V rated value      — at 110 V rated value      — at 440 V rated value      — at 440 V rated value      — at 440 V rated value      — at 600 V rated value      — at 600 V rated value      — at series at DC-1	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  12 A  1.6 A  0.8 A  0.7 A
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 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 110 V rated value     — at 24 V rated value     — at 24 V rated value     — at 60 V rated value     — at 60 V rated value     — at 110 V rated value     — at 440 V rated value     — at 440 V rated value     — at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  12 A  1.6 A  0.8 A  0.7 A
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 110 V rated value     — at 110 V rated value     — at 440 V rated value     — 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 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 60 V rated value     — at 60 V rated value     — at 60 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  20 A  12 A  1.6 A  0.8 A  0.7 A
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 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 110 V rated value      — at 440 V rated value      — at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  12 A  1.6 A  0.8 A  0.7 A  20 A  20 A
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 60 V rated value      — at 110 V rated value      — at 110 V rated value      — at 440 V rated value      — at 440 V rated value      — at 440 V rated value      — at 600 V rated value      — at 600 V rated value      — at 600 V rated value      — at 24 V rated value      — at 20 V rated value      — at 220 V rated value	20 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A  20 A 20 A 20 A 20 A
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 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 110 V rated value      — at 110 V rated value      — at 440 V rated value      — at 440 V rated value      — at 600 V rated value      — at 600 V rated value      — at 600 V rated value      — at 110 V rated value      — at 24 V rated value      — at 250 V rated value      — at 220 V rated value      — at 240 V rated value	3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 2
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 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 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 110 V rated value      — at 220 V rated value      — at 24 V rated value      — at 250 V rated value      — at 270 V rated value      — at 280 V rated value      — at 480 V rated value	20 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A  20 A 20 A 20 A 20 A
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     — 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 1220 V rated value     — at 440 V rated value     — at 600 V rated value     — at 600 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 440 V rated value     — at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  12 A  1.6 A  0.8 A  0.7 A  20 A  20 A  20 A  20 A  20 A
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 220 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     — at 220 V rated value     — at 440 V rated value     — at 600 V rated value     — at 600 V rated value     — at 60 V rated value     — at 24 V rated value     — at 24 V rated value     — at 60 V rated value     — at 60 V rated value     — at 60 V rated value     — at 110 V rated value     — at 440 V rated value     — at 110 V rated value     — at 600 V rated value     — at 440 V rated value     — at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  12 A  1.6 A  0.8 A  0.7 A  20 A
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     — 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 1220 V rated value     — at 440 V rated value     — at 600 V rated value     — at 600 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 440 V rated value     — at 600 V rated value	3.3 A  20 A  20 A  2.1 A  0.8 A  0.6 A  0.6 A  20 A  20 A  20 A  12 A  1.6 A  0.8 A  0.7 A  20 A  20 A  20 A  20 A  20 A

• with 2 current paths in series at DC-3 at DC-5		
	-	00.4
- ## 110 V field value  - ## 24 V ratio value  - ## 320 V ratio value  - ## 40 V ratio valu		
• with 3 current paths in series at DC-3 at DC-5  — 12 4V relied value — 10 11 0V rated value — 12 12 0V relied value — 15 55 kW — 16 500 V rated value — 15 55 kW — 16 500 V rated value — 15 55 kW — 16 15 0V rated value — 15 00V rated value — 15 0V ra		
		0.35 A
	-	
	— at 24 V rated value	20 A
	— at 60 V rated value	20 A
- al 440 Y rated value	— at 110 V rated value	20 A
	— at 220 V rated value	1.5 A
at AC-3	— at 440 V rated value	0.2 A
	— at 600 V rated value	0.2 A
at 230 V rated value at 500 V rated value 5.5 kW at 500 V rated value 5.5 kW at 500 V rated value at 500	operating power	
	• at AC-3	
= at 500 V rated value	— at 230 V rated value	3 kW
= at 809 V rated value	— at 400 V rated value	5.5 kW
	— at 500 V rated value	5.5 kW
	— at 690 V rated value	5.5 kW
	• at AC-3e	
- at 500 V rated value - at 600 V rated value - 5.5 kW  operating power for approx. 200000 operating cycles at AC-4  * at 400 V rated value 2.5 kW  operating apparent power at AC-5a  * up to 200 V for current peak value n=20 rated value 2.8 kVA  * up to 400 V for current peak value n=20 rated value 4.9 kVA  * up to 500 V for current peak value n=20 rated value 6.2 kVA  * up to 500 V for current peak value n=20 rated value 6.2 kVA  * up to 500 V for current peak value n=20 rated value 9.8 kVA  * up to 200 V for current peak value n=30 rated value 4.9 kVA  * up to 200 V for current peak value n=30 rated value 4.1 kVA  * up to 500 V for current peak value n=30 rated value 5.7 kVA  * up to 500 V for current peak value n=30 rated value 4.1 kVA  * up to 500 V for current peak value n=30 rated value 5.7 kVA  * short-time withstand current in cold operating state up to 40° C  * limited to 1 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 8.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 9.1 kindle to 30 s switching at zero current maximum 6.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 9.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 9.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 9.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to AC-1 rated value 123 k, Use minimum cross-section acc. to A	— at 230 V rated value	3 kW
operating power for approx. 200000 operating cycles at AC- 4	— at 400 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-4  1 at 400 V rated value 2 kW 2 s kW  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value 1 up to 500 V for current peak value n=20 rated value 2 s kVA  up to 500 V for current peak value n=20 rated value 3 s kVA  up to 500 V for current peak value n=20 rated value 3 s kVA  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value 3 s kVA  operating apparent power at AC-8a  up to 230 V for current peak value n=30 rated value 3 s kVA  operating apparent power at AC-8a  up to 230 V for current peak value n=30 rated value 3 s kVA  operating apparent power at AC-8a  up to 230 V for current peak value n=30 rated value 4 s kVA  operating apparent power at AC-8a  up to 400 V for current peak value n=30 rated value 4 s kVA  operating apparent power at AC-8a  up to 500 V for current peak value n=30 rated value 4 s kVA  operating apparent power at AC-8a  up to 400 V for current peak value n=30 rated value 5 s kVA  3 s kVA  4 s kVA  4 s kVA  operating apparent power at AC-8a  up to 200 V for current peak value n=30 rated value 5 s kVA  3 s kVA  4 s kVA	— at 500 V rated value	5.5 kW
at 400 V rated value	— at 690 V rated value	5.5 kW
• at 400 V rated value • at 690 V rated value • at 690 V rated value  out 530 V for current peak value n=20 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 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=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 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 • 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 1 s switching at zero current maximum • limited to 3 s switching at zero current maximum • limited to 3 s switching at zero current maximum • limited to 3 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero curr		
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=20 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=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 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 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 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 1 so 60 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 •		OLAM
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 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 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  • limited to 1 switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 3 switching at zero current maximum  • limited to 3 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 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limi		
		Z.O KVV
• 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  • up to 230 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 500 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 80 s switching at zero current maximum  • limited t		0.011/4
• 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 230 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 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 5 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 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 frequency  • at DC  • at DC  • at DC  • at AC-2 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-3		
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 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 witching at zero current maximum  • limited to 5 s witching 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 60 s switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • limited to 60 switching at zero current maximum  • at DC  • at DC  • at AC-1 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-5 maximum  • at AC-4 maximum  • at AC-5 maximum  • at AC-6 maximum  • at AC-7 maximum  • at AC-8 maximum  • at AC-9 maximum  • at AC	·	
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 1 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 60 switching at zero current maximum  • limited to 60 switching at zero curr	·	
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 590 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     ilmited to 1 s switching at zero current maximum     ilmited to 5 s switching at zero current maximum     ilmited to 10 s switching at zero current maximum     ilmited to 10 s switching at zero current maximum     ilmited to 30 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 61 s switching at zero current maximum     ilmited to 61 s		8 KVA
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  short-time withstand current in cold operating state up to 40 °C  ilmited to 1 s switching at zero current maximum limited to 5 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 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 frequency lat DC  at AC-1 maximum loud 1/h loud 1/h lat AC-2 maximum lat AC-3 maximum lat AC-3 maximum lat AC-4 maximum lat		401)/4
up to 500 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 50 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 frequency limited to 60 s switching frequency limited to 60 s switching frequency limited to 60 s switching at zero current maximum limited to 60 s swi	·	
short-time withstand current in cold operating state up to 40 °C  ilmited to 1 s switching at zero current maximum  ilmited to 5 s switching at zero current maximum  ilmited to 10 s switching at zero current maximum  ilmited to 30 s switching at zero current maximum  ilmited to 30 s switching at zero current maximum  ilmited to 30 s switching at zero current maximum  ilmited to 30 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  olioad switching frequency  at DC  10 000 1/h  operating frequency  at AC-1 maximum  at AC-2 maximum  at AC-3 maximum  at AC-3 maximum  at AC-3 maximum  at AC-3 maximum  but AC-4 maximum  current maximum  but AC-4 maximum  current maximum  but AC-5 maximum  current maximum  current maximum  but AC-4 maximum  current maximum cross-section acc. to AC-1 rated value  current value  current maximum cross-section acc. to AC-1 rated value  current value  current maximum cross-section acc. to AC-1 rated value  current value  current maximum cross-section acc. to AC-1 rated value  current value  current value  current maximum cross-section acc. to AC-1 rated value  curr		
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 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 frequency • at DC  10 000 1/h  operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum  250 1/h • at AC-4 maximum  250 1/h  Control circuit/ Control  type of voltage of the control supply voltage • rated value • rated value • initial value • full-scale value  1.85  closing power of magnet coil at DC  1.6 W  holding power of magnet coil at DC  1.6 W		
Illimited to 1 s switching at zero current maximum   200 A; Use minimum cross-section acc. to AC-1 rated value		5.7 KVA
Fimited to 5 s switching at zero current maximum   123 A; Use minimum cross-section acc. to AC-1 rated value		
Fimited to 5 s switching at zero current maximum   123 A; Use minimum cross-section acc. to AC-1 rated value	•	200 A: Use minimum cross-section acc. to AC-1 rated value
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     ilimited to 60 s switching at zero current maximum     ilimited to 60 s switching at zero current maximum     ino-load switching frequency     • at DC	-	
Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ino-load switching frequency Ino-load switching frequency Ino-load switching frequency Individual at DC Ind	<u> </u>	
Ilimited to 60 s switching at zero current maximum  no-load switching frequency  at DC  10 000 1/h  operating frequency  at AC-1 maximum  1 000 1/h  at AC-2 maximum  750 1/h  at AC-3 maximum  750 1/h  at AC-3 maximum  750 1/h  at AC-4 maximum  750 1/h  at AC-4 maximum  750 1/h  but AC-4 maximum  750 1/h  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC  rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  1.85  closing power of magnet coil at DC  1.6 W  holding power of magnet coil at DC  1.6 W  AC-1 rated value  10 000 1/h  10 000 1	<u> </u>	
o at DC  operating frequency  • at AC-1 maximum  • at AC-2 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-3e maximum  • at AC-4 maximum  • at AC-4 maximum  • 250 1/h  Control circuit/ Control  type of voltage of the control supply voltage  • rated value  • rated value  • rated value  • initial value  • initial value  • full-scale value  1.85  closing power of magnet coil at DC  holding power of magnet coil at DC  10 000 1/h  10 0		
at DC 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-3e maximum 750 1/h at AC-4 maximum 750 1/h at AC-4 maximum 750 1/h be at AC-4 maximum 750 1/h Control circuit/ Control  type of voltage of the control supply voltage DC control supply voltage at DC arated value 24 V operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 1.85 closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W		,
operating frequency  • at AC-1 maximum  • at AC-2 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  Control circuit/ Control  type of voltage of the control supply voltage  • rated value  • rated value  • rated value  • initial value  • initial value  • full-scale value  • full-scale value  1.85  Closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W  holding power of magnet coil at DC  1.6 W		10 000 1/h
<ul> <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 e maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul> Control circuit/ Control type of voltage of the control supply voltage <ul> <li>orated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>0.85</li> <li>full-scale value</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>1.6 W</li> </ul>		
<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>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-5 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-7 maximum</li> <li>at AC-8 maximum</li> <li>at AC-9 maximum</li> <li>at AC-9 maximum</li> <li>at AC-9 maximum</li> <li>at AC-9 maximum</li> <li>at AC-3e maximum</li> <li></li></ul>		1 000 1/h
at AC-3 maximum  at AC-3e maximum  at AC-4e maximum  at AC-4 maximum  at AC-3e maximum  at AC-4e maximum		
at AC-3e maximum  at AC-4 maximum  250 1/h  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC  arated value  coperating range factor control supply voltage rated value of magnet coil at DC  initial value  olinitial value  full-scale value  closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W		
at AC-4 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC      rated value      rated value  operating range factor control supply voltage rated value of magnet coil at DC      initial value      full-scale value  closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W		
type of voltage of the control supply voltage DC  control supply voltage at DC  • rated value 24 V  operating range factor control supply voltage rated value of magnet coil at DC  • initial value 0.85  • full-scale value 1.85  closing power of magnet coil at DC 1.6 W  holding power of magnet coil at DC 1.6 W		
type of voltage of the control supply voltage  control supply voltage at DC      rated value  operating range factor control supply voltage rated value of magnet coil at DC      initial value      full-scale value  closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W	Control circuit/ Control	
control supply voltage at DC  • rated value  operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W	<u></u>	DC
rated value  operating range factor control supply voltage rated value of magnet coil at DC      initial value     of ull-scale value  closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W		
operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  closing power of magnet coil at DC  holding power of magnet coil at DC  1.6 W		24 V
● full-scale value 1.85  closing power of magnet coil at DC 1.6 W  holding power of magnet coil at DC 1.6 W	operating range factor control supply voltage rated value of	
closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W		0.85
closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W		
holding power of magnet coil at DC 1.6 W	closing power of magnet coil at DC	1.6 W
• • •		1.6 W
	closing delay	

	25 420 mg
• at DC	25 120 ms
opening delay	5 00
• at DC	5 20 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	1
number of NO contacts for auxiliary contacts instantaneous contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 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
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	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	11 A
at 600 V rated value	11 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	
	2 hp
• for 3-phase AC motor	
<ul><li>for 3-phase AC motor</li><li>— at 200/208 V rated value</li></ul>	3 hp
<ul> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> </ul>	3 hp 3 hp
<ul> <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> </ul>	3 hp 3 hp 7.5 hp
<ul> <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>at 575/600 V rated value</li> </ul>	3 hp 3 hp 7.5 hp 10 hp
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL	3 hp 3 hp 7.5 hp
• for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection	3 hp 3 hp 7.5 hp 10 hp
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link	3 hp 3 hp 7.5 hp 10 hp
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit	3 hp 3 hp 7.5 hp 10 hp A600 / Q600
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required	3 hp 3 hp 7.5 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required	3 hp 3 hp 7.5 hp 10 hp A600 / Q600 gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method         • side-by-side mounting height	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method         • side-by-side mounting height width	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method         • side-by-side mounting height width depth	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method         • side-by-side mounting height width	3 hp 3 hp 7.5 hp 10 hp A600 / Q600  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 70 mm 45 mm

— 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	spring-loaded terminals
for auxiliary and control circuit	
at contactor for auxiliary contacts	spring-loaded terminals Spring-type terminals
•	Spring type terminals
of magnet coil  type of connectable conductor cross sections for main contacts.	Spring-type terminals
type of connectable conductor cross-sections for main contacts	2v (0 F 4 mm²)
• solid	2x (0.5 4 mm²)
solid or stranded     finally stranded with core and precessing.	2x (0,5 4 mm²)
finely stranded with core end processing	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
connectable conductor cross-section for main contacts	0.5 4 2
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0,5 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 12)
AWG number as coded connectable conductor cross	
section	20 42
• for main contacts	20 12
• for auxiliary contacts	20 12
Safety related data	
product function	N.
mirror contact according to IEC 60947-4-1	No
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	40.07
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	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
suitability for use	
safety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	





Confirmation



<u>KC</u>



Functional
Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 

**Environment** 



Confirmation



Vibration and Shock

**Transport Information** 

Environmental Confirmations

## **Further information**

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,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2017-2MB41-0KT0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2MB41-0KT0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2MB41-0KT0

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

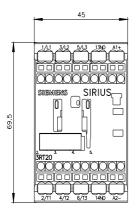
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-2MB41-0KT0&lang=en

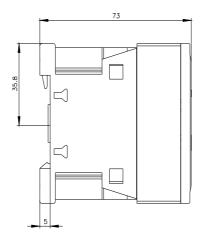
Characteristic: Tripping characteristics, I²t, Let-through current

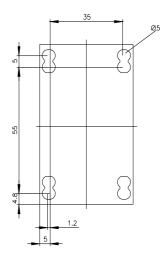
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2MB41-0KT0/char

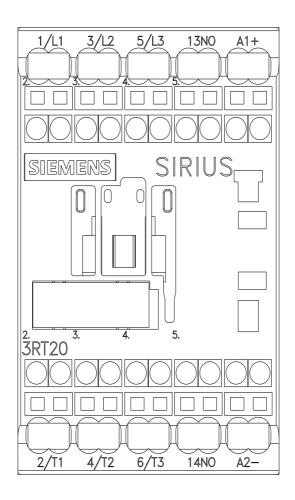
Further characteristics (e.g. electrical endurance, switching frequency)

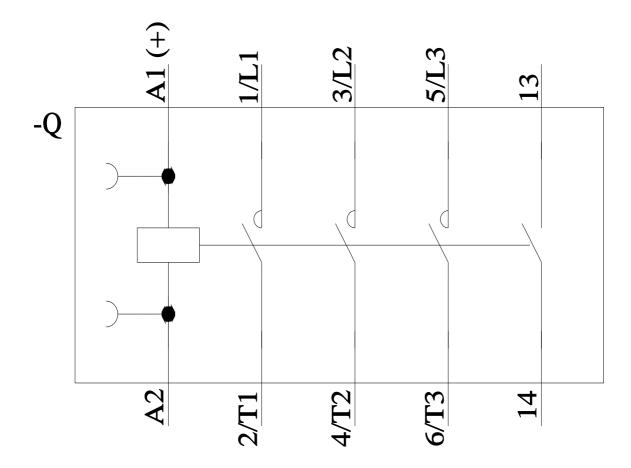
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-2MB41-0KT0&objecttype=14&gridview=view1











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