## SIEMENS

## Data sheet

## 3RT2017-2BB41



power contactor, AC-3 12 A, 5.5 kW / 400 V 1 NO, 24 V DC 3-pole, Size S00 Spring-type terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
function module for communication	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<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
without load current share typical	4 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	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation 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 (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<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
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	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	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °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
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	7.2 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	6.7 A
<ul> <li>at AC-6a         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>	4.8 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	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 value operational current for approx. 200000 operating	4 mm <sup>2</sup>
cycles at AC-4	
• at 400 V rated value	4.1 A
• at 690 V rated value	3.3 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
- at 24 V rated value	20 A
— at 110 V rated value	12 A
	1.6 A
— at 220 V rated value	
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

— at 24 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 110 V rated value	0.1 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 110 V rated value	0.35 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
operating power	0.2 /
• at AC-3	
• at AC-3 — at 230 V rated value	3 kW
— 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	5.5 KW
	2 144
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	2 kW
at 690 V rated value	2.5 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	2.8 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	4.9 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	6.2 kVA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	8 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1.9 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	3.3 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	4.1 kVA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	5.7 kVA
short-time withstand current in cold operating state up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	123 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	74 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	61 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	10 000 1/h
operating frequency	
<ul> <li>at AC-1 maximum</li> </ul>	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	

• rade value         24 V           operating range factor control supply voltage rated         0.8           • initial value         0.1           • initial value         0.8           • initial value         0.4           • initial value         0.4           • initial value         0.4           • initial value         0.1           • initial value         0.1           • initial value         0.1           • initial value         0.4           • initial value <th></th> <th></th>		
value of magnet coll at DC         6.8           • Initial value         0.8           • Initial value         1.1           closing power of magnet coll at DC         4.W           • Initial value         0.8           • Initial value         0.8           • at DC         4.W           • at DC         90 100 ms           opening datay         • at DC           • at DC         7 13 ms           control version of the switch operating mechanism         Standard At -A2           Auxiliary contacts         1           instantancias contact         10.A           operational current at AC-15         1           • at 300 V rated value         10.A           • at 300 V rated value         10.A           • at 650 V rated value         2.A           • at 650 V rated value         6.A           • at 650 V rated value         2.A           • at 650 V rated value         2.A           • at 650 V rated value         2.A           • at 220 V rated value         0.A           • at 23V rated value         0.A           • at 24 V rated value         0.A           • at 20 V rated value         2.A           • at 20 V rated value	rated value	24 V
Initial value     O     O     O     Initial value     O     Initial value     O     Initial value     O     Initial value     O     O     Initial value     O     O     O     Initial value     O     O     Initial value     O     O     O     O     Initial value     O     O     O     Initial value     O     O     O     O     Initial value     O     O     Initial value     O     O     Initial value     O     O     Initial value     O     Initial value     O     Initial value     O     Initial value     Initial value     O     Initial value     Ininitininitian     Initininitininiti		
• dubacele value         11           closing power of magnet coil at DC         4 W           holding power of magnet coil at DC         4 W           closing delay         -           • at DC         30 100 ms           opening delay         -           • at DC         7 13 ms           arcing time         10 15 ms           control version of the witch operating mechanism         Standard A1 - A2           Auxiliary circuit         10 A           operational current at AC-12 maximum         10 A           operational current at AC-15         1           • at 300 V rated value         2 A           • at 300 V rated value         2 A           • at 300 V rated value         1 A           operational current at DC-12         0 A           • at 300 V rated value         1 A           operational current at DC-13         0 A           • at 30 V rated value         1 A           operational current at DC-13         0 A           • at 30 V rated value         1 A           operational current at DC-13         0 A           • at 30 V rated value         1 A           • at 30 V rated value         1 A           • at 30 V rated value         1 A	•	0.9
closing power of magnet coil at DC     4 W       holding power of magnet coil at DC     4 W       closing delay     30 100 ms       • at DC     30 100 ms       • at DC     7 13 ms       • at DC     7 13 ms       • at DC     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2       Avxiliary accurat     10 A       operational current at AC-12 maximum     10 A       operational current at AC-15     1       operational current at AC-15     1       • at 300 V rated value     1 A       operational current at AC-15     1       • at 300 V rated value     1 A       operational current at AC-15     1       • at 300 V rated value     1 A       operational current at DC-12     1 A       • at 300 V rated value     2 A       • at 300 V rated value     1 A       • at 300 V rated value     1 A       • at 300 V rated value     2 A       • at 300 V rated value     1 A       • at 300 V rated value     1 A       • at 300 V rated value     2 A       • at 300 V rated value     1 A		
holding power of magnet coll at DC     4 W       closing delay     -       - at DC     30 100 ms       opening delay     -       - at CC     7 13 ms       arcing time     10 15 ms       control version of the switch operating mechanism     10 15 ms       mamber of No contacts for availary contacts     1       operational current at AC-12 maximum     10 A       operational current at AC-15     0       • at 200 V rated value     2 A       • at 300 V rated value     2 A       • at 300 V rated value     2 A       • at 300 V rated value     2 A       • at 40 V rated value     2 A       • at 40 V rated value     2 A       • at 20 V rated value     2 A       • at 20 V rated value     1 A       operational current at DC-12     10 A       • at 20 V rated value     2 A       • at 30 V rated value     2 A       • at 40 V rated value     2 A       • at 40 V rated value     3 A       • at 30 V rate		
closing delay       a) 100 ms         opening delay       7 13 ms         a clo C       7 13 ms         arcing time       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2         Avxiliary activation       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2         Avxiliary activation       10.A         operational current at AC-12 maximum       10.A         ot 400 V rated value       2.A         ot 400 V rated value       5.A         ot 80 V rated value       1.A         ot 80 V rated value       10.A         ot 80 V rated value       10.A         ot 80 V rated value       10.A         ot 80 V rated value       0.A         ot 80 V rated value       0.A         ot 80 V rated v		
		4 VV
opening delay     7 13 ms       • at DC     7 13 ms       carcing time     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2       Avxiliary contracts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at DC-12     10 A       • at 600 V rated value     2 A       • at 600 V rated value     6 A       • at 22 V rated value     6 A       • at 20 V rated value     6 A       • at 20 V rated value     10 A       • at 20 V rated value     2 A       • at 20 V rated value     1 A       • at 20 V rated value     1 A       • at 20 V rated value     1		
• arCing time       7 13 ms         arcing time       10 15 ms         control version of the switch operating mechanism       1         Auxiliary circuit       1         instantaneous contact       1         operational current at AC-15       1         • at 230 V rated value       10 A         operational current at AC-15       1         • at 230 V rated value       1 A         operational current at AC-15       1         • at 300 V rated value       1 A         operational current at DC-12       -         • at 48 V rated value       6 A         • at 49 V rated value       6 A         • at 20 V rated value       6 A         • at 12 S V rated value       1 A         • at 20 V rated value       1 A         • at 20 V rated value       1 A         • at 20 V rated value       1 A         • at 24 V rated value       1 A         • at 20 V rated value<		30 100 ms
arcing time     1015 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-12 maximum     10 A       operational current at AC-12 maximum     10 A       et at 300 V rated value     2 A       et at 690 V rated value     2 A       et at 90 V rated value     6 A       et at 90 V rated value     7 A       et at 90 V rated value     7 A       et at 90 V rated value     7 A       et 300 V rated value     10 A       et 300 V rated value     10 A       et 3125 V rated value     10 A       et 320 V rated value     11 A <tr< td=""><td></td><td></td></tr<>		
control version of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         Instantaneous contact         1           operational current at AC-15         10 A           operational current at AC-15         10 A           e at 300 V rated value         3 A           e at 400 V rated value         3 A           e at 600 V rated value         6 A           e at 60 V rated value         1 A           operational current at DC-12         e A           e at 60 V rated value         5 A           e at 220 V rated value         1 A           e at 220 V rated value         10 A           e at 24 V rated value         10 A           e at 60 V rated value         2 A           e at 60 V rated value         2 A           e at 60 V rated value         0 A           e at 60 V rated value         0 A           e at 60 V rated value         0 A           e at 60 V rated value         1 A           e at 60 V rated value </td <td></td> <td></td>		
Auxiliary circuit         1           number of NO contacts for auxiliary contacts         1           instantaneous contact         10 A           operational current at AC-12 maximum         10 A           e at 200 V rated value         10 A           e at 300 V rated value         2 A           e at 600 V rated value         2 A           e at 600 V rated value         10 A           operational current at DC-12         10 A           e at 40 V rated value         6 A           e at 60 V rated value         6 A           e at 60 V rated value         6 A           e at 60 V rated value         2 A           e at 60 V rated value         2 A           e at 60 V rated value         0 A           e at 220 V rated value         0 A           e at 60 V rated value         0 A           e at 60 V rated value         2 A           e at 60 V rated value         0 A           e at 60 V rated value         0 A           e at 60 V rated value         0 A           e at 60 V rated value         1 A		
number of NO contacts for availary contacts         1           instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         10 A           et at 300 V rated value         3 A           et at 500 V rated value         1 A           operational current at DC-12         1 A           operational current at DC-12         1 A           et 300 V rated value         6 A           et 300 V rated value         6 A           et 300 V rated value         6 A           et 300 V rated value         1 A           operational current at DC-13         1 A           et 300 V rated value         1 A           operational current at DC-13         1 A           et 300 V rated value         2 A           et 300 V rated value         0.3 A           et 300 V rated value         0.4 A           et 300 V rated value         0.4 A           et 400 V rated value         1 A           et 400 V rated value         1 A </td <td></td> <td>Standard A1 - A2</td>		Standard A1 - A2
instantaneous contact operational current at AC-12 maximum (operational current at AC-15 e at 230 V rated value at 2500 V rated value at 6500 V rated value (at 650 V rated value (b) V rated value (c) V rated value	Auxiliary circuit	
operational current at AC-12 maximum         10 A           operational current at AC-12         10 A           • at 200 V rated value         3 A           • at 600 V rated value         3 A           • at 600 V rated value         1 A           operational current at DC-12         1 A           • at 40 V rated value         1 A           operational current at DC-12         1 A           • at 40 V rated value         6 A           • at 40 V rated value         6 A           • at 100 V rated value         1 A           • at 100 V rated value         1 A           • at 100 V rated value         1 A           • at 200 V rated value         2 A           • at 40 V rated value         2 A           • at 40 V rated value         2 A           • at 100 V rated value         0 A           • at 200 V rated value         0.3 A           • at 200 V rated value         0.1 A           • at 200 V rated value         1 faulty switching per 100 million (17 V, 1 mA)           ULICSA ratings         11 A           full-load current (FLA) for 3-pha		1
operational current at AC-15       10 A         • at 230 V rated value       10 A         • at 600 V rated value       2 A         • at 600 V rated value       1 A         operational current at DC-12       1 A         • at 60 V rated value       6 A         • at 61 V rated value       6 A         • at 62 V rated value       2 A         • at 64 V rated value       0.15 A         operational current at DC-13       0.15 A         • at 64 V rated value       2 A         • at 60 V rated value       2 A         • at 60 V rated value       2 A         • at 60 V rated value       0.9 A         • at 60 V rated value       0.1 A         • at 60 V rated value       1 faulty switching per 100 million (17 V, 1 mA)         full-ode current f(FLA) for 3-phase AC motor		
• at 230 V rated value     10 A       • at 400 V rated value     3 A       • at 690 V rated value     1 A       operational current at DC-12     1 A       • at 43 V rated value     1 A       • at 43 V rated value     0 A       • at 10 V rated value     0 A       • at 20 V rated value     1 A       • at 20 V rated value     1 A       • at 20 V rated value     1 A       • at 20 V rated value     0.15 A       operational current at DC-13     0 A       • at 20 V rated value     1 A       • at 60 V rated value     1 A       • at 60 V rated value     1 A       • at 60 V rated value     0.9 A       • at 125 V rated value     0.1 A       • at 220 V rated value     0.1 A       • at 220 V rated value     11 A       • at 430 V rated value     11 A       • at 430 V rated value     1 A   <	•	10 A
• at 400 V rated value     3 A       • at 600 V rated value     1 A       operational current at DC-12     1 A       • at 84 V rated value     6 A       • at 84 V rated value     6 A       • at 84 V rated value     6 A       • at 80 V rated value     6 A       • at 10 V rated value     7 A       • at 20 V rated value     7 A       • at 80 V rated value     7 A       • at 80 V rated value     7 A       • at 110 V rated value     7 A       • at 125 V rated value     7 A       • at 120 V rated value     7 A       • at 110 V rated value     7 A       • at 80 V rated value     7 A       • at 80 V rated value     7 A       • at 80 V rated value     7 A       • at 800 V rated value     7 A       • at 800 V rated value     1 A       •	operational current at AC-15	
<ul> <li>et 500 V rated value</li> <li>et 690 V rated value</li> <li>1A</li> <li>operational current at DC-12</li> <li>et 24 V rated value</li> <li>10 A</li> <li>et 60 V rated value</li> <li>6 A</li> <li>et 10 V rated value</li> <li>6 A</li> <li>et 10 V rated value</li> <li>7 A</li> <li>et 24 V rated value</li> <li>10 A</li> <li>et 32 V rated value</li> <li>11 A</li> <li>et 320 V rated value</li> <li>12 A</li> <li>et 320 V rated value</li> <li>13 A</li> <li>et 320 V rated value</li> <li>14 A</li> <li>et 3 A</li> <li>et 320 V rated value</li> <li>15 A</li> <li>for</li></ul>		
• at 680 V rated value     1 A       operational current at DC-12     0 A       • at 24 V rated value     6 A       • at 60 V rated value     6 A       • at 10 V rated value     6 A       • at 10 V rated value     2 A       • at 220 V rated value     1 A       • at 220 V rated value     0.15 A       operational current at DC-13     0 A       • at 60 V rated value     0.15 A       operational current at DC-13     0 A       • at 64 V rated value     2 A       • at 64 V rated value     2 A       • at 64 V rated value     2 A       • at 64 V rated value     0.15 A       operational current at DC-13     10 A       • at 64 V rated value     2 A       • at 64 V rated value     0.16 A       • at 60 V rated value     0.9 A       • at 60 V rated value     0.1 A       • at 60 V rated value     0.1 A       • at 60 V rated value     0.1 A       • at 60 V rated value     11 A       • at 60 V rated value     0.5 hp       - at 1230 V rated value     0.5 hp       - at 220/208 V rated value     3 hp       - at 220/208 V r		
operational current at DC-12     10 A       • at 24 V rated value     10 A       • at 84 V rated value     6 A       • at 60 V rated value     6 A       • at 75 V rated value     2 A       • at 22 V rated value     10 A       • at 22 V rated value     2 A       • at 22 V rated value     0.15 A       • operational current at DC-13     10 A       • at 48 V rated value     2 A       • at 600 V rated value     2 A       • at 10 V rated value     2 A       • at 22 V rated value     2 A       • at 24 V rated value     2 A       • at 24 V rated value     2 A       • at 24 V rated value     2 A       • at 25 V rated value     2 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     11 A       full-load current (FLA) for 3-phase AC motor     11 A       • at 80 V rated value     11 A       vielded mechanical performance (Ip)     0.5 hp       • for single-phase AC motor     -       - at 2200/208 V rated value     3 hp       - at 2200/208 V rated value     3 hp       - at 2200/208 V rated value     3 hp <t< td=""><td><ul> <li>at 500 V rated value</li> </ul></td><td>2 A</td></t<>	<ul> <li>at 500 V rated value</li> </ul>	2 A
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 25 V rated value</li> <li>at 20 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 26 V rated value</li> <li>at 20 V rated value</li> <li>at 48 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 20 V rated value</li> <li>at 600 V rated value</li> <li>at 400 V rated value</li> <li>at 200 V rated value</li> <li>bip - at 200 V 80 V rated value</li> <li>at 600 V rated value</li> <li>at 200 V rated value</li> <li>bip - at 200 V 80 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> <li>Sbort-circuit protection of the main circuit</li> <li>with type of condination 1 required</li> <li>gc: 50A (690V, 100kA), at 20A (690V, 100kA), BS8B: 35A (415V, 80kA)</li> <li>gc: 50A (690V, 100kA), at</li></ul>	• at 690 V rated value	1 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 125 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>0.15 A</li> <li>opportional current at DC-13         <ul> <li>at 24 V rated value</li> <li>0.15 A</li> </ul> </li> <li>opport value</li> <li>at 60 V rated value</li> <li>0.15 A</li> <li>opport value</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 24 V rated value</li> <li>2 A</li> <li>at 34 V rated value</li> <li>2 A</li> <li>at 10 V rated value</li> <li>2 A</li> <li>at 10 V rated value</li> <li>2 A</li> <li>at 10 V rated value</li> <li>3 A</li> <li>at 20 V rated value</li> <li>0.9 A</li> <li>at 20 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>11 A</li> <li>at 600 V rated value</li> <li>11 A</li> <li>at 600 V rated value</li> <li>11 A</li> <li>at 600 V rated value</li> <li>11 A</li> <li>at 200 V rated value</li> <li>11 A</li> <li>at 200 V rated value</li> <li>2 hp</li> <li>for single-phase AC motor         <ul> <li>at 200 V rated value</li> <li>2 hp</li> <li>at 200 V rated value</li> <li>3 hp</li> <li>at 200 V rated value</li> <li>3 hp</li> <li>at 200 V rated value</li> <li>3 hp</li> <li>at 3200208 V rated value</li> <li>3 hp</li> <li>at 375/600 V rated value</li> <li>3 hp</li> <li>at 375/600 V rated value</li> <li>4 600 / Q600</li> </ul> </li> <li>Short-circuit protection of the main circuit</li> <li>with type of assignment 2 required</li> <li>3 QiA (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)</li> <li>3 Gi 3 A (690V, 100kA),</li></ul>	operational current at DC-12	
<ul> <li>ait 60 V rated value</li> <li>6 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li>at 220 V rated value</li> <li>1 A</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>at 600 V rated value</li> <li>1 A</li> <li>at 72 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>3 A</li> <li>at 72 V rated value</li> <li>3 A</li> <li>at 60 V rated value</li> <li>3 A</li> <li>3 A A</li> <li>3 A A</li> <li>3 A A</li>     &lt;</ul>	<ul> <li>at 24 V rated value</li> </ul>	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 240 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 43 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 44 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 10 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>3 A</li> <li>at 220 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 60 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>11 A</li> <li>at 60 V rated value</li> <li>5 hp</li> <li>at 20 V rated value</li> <li>11 A</li> <li>at 20 V rated value</li> <li>12 hp</li> <li>for 3-phase AC motor</li> <li>at 20 V rated value</li> <li>at 500 V rated value</li> <li>b 7 hp</li> <li>at 500 V rated value</li> <li>b 7 hp</li> <li>at 500 V rated value</li> <li>b 7 hp</li> <li>at 500 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / G600</li> <li>Short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>G: 50A (690V,100KA), aM: 20A (690V,100KA), BS88: 35A (415V, 80KA)</li> <li>g G: 10 A (600 V, 10KA)</li> <li>G: 10 A (600 V, 10</li></ul>	• at 48 V rated value	6 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 460 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 10 V rated value</li> <li>1 A</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.1 A</li> <li>at 200 V rated value</li> <li>0.1 A</li> <li>at 200 V rated value</li> <li>0.1 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>at 600 V rated value</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>ULCSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>11 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>- at 110/120 V rated value</li> <li>0.5 hp</li> <li>- at 200/208 V rated value</li> <li>2 hp</li> <li>for 3-phase AC motor</li> <li>- at 200/208 V rated value</li> <li>3 hp</li> <li>- at 575/600 V rated value</li> <li>- with type of coordination 1 required</li> <li>- for short-circuit protection of the maixiliary switch</li> <li>- for short-circuit protection of</li></ul>	<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 20 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 480 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>be for 3-phase AC motor</li> <li>at 200/28 V rated value</li> <li>be for 3-phase AC motor</li> <li>at 200/28 V rated value</li> <li>be for 3-phase AC motor</li> <li>at 200/28 V rated value</li> <li>be for 3-phase AC motor</li> <li>at 200/28 V rated value</li> <li>be for 3-phase AC motor</li> <li>at 575/600 V rated value</li> <li>be - at 250/500 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul> Short-circuit protection design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gc: 50A (690V,100kA), aM: 16A (690V,100kA), BS88: 35A (415V, 80kA)</li> <li>gc: 10A (500 V, 1 kA)</li> </ul>	<ul> <li>at 110 V rated value</li> </ul>	3 A
• at 600 V rated value     0.15 Å       operational current at DC-13     10 Å       • at 24 V rated value     2 Å       • at 48 V rated value     2 Å       • at 60 V rated value     2 Å       • at 10 V rated value     0.9 Å       • at 22 V rated value     0.3 Å       • at 600 V rated value     0.1 Å       • at 200 V rated value     0.1 Å       • at 200 V rated value     0.1 Å       • at 600 V rated value     0.1 Å       • at 600 V rated value     0.1 Å       • at 600 V rated value     11 Å       • at 800 V rated value     11 Å       • at 800 V rated value     11 Å       • at 600 V rated value     11 Å       • at 600 V rated value     12 Å       • at 200 Z08 V rated value     14 Å       • at 200/208 V rated value     2 hp       • for 3-phase AC motor     -       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     10 hp       contact rating of auxiliary contacts according to UL     A600 / Q600       Short-circuit protection     Ge: 50A (690V,100kA), aM: 20A (690V,100kA), B588: 35A (415V,80kA)<	<ul> <li>at 125 V rated value</li> </ul>	2 A
operational current at DC-13         • at 24 V rated value       10 A         • at 48 V rated value       2 A         • at 60 V rated value       2 A         • at 110 V rated value       1 A         • at 25 V rated value       0.9 A         • at 200 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       11 A         full-load current (FLA) for 3-phase AC motor       11 A         • at 600 V rated value       11 A         yielded mechanical performance [hp]       11 A         • for single-phase AC motor       0.5 hp         - at 200/208 V rated value       2 hp         • for 3-phase AC motor       3 hp         - at 200/208 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection of the main circuit       96: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         g6: 50A (690V,100kA), aM: 16A (690V,100kA), BS88: 35A (415V,80kA)       9G: 20A (690V,100kA),	<ul> <li>at 220 V rated value</li> </ul>	1 A
• at 24 V rated value     10 A       • at 48 V rated value     2 A       • at 60 V rated value     2 A       • at 110 V rated value     1 A       • at 110 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     11 A       full-load current (FLA) for 3-phase AC motor     11 A       • at 600 V rated value     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     11 A       full-load current (FLA) for 3-phase AC motor     1 faulty switching per 100 million (17 V, 1 mA)       ul/CSA rated value     11 A       • at 600 V rated value     10 fb       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     10 hp       contact rating of auxiliary contacts according to UL     A600 / Q600       Short-circuit protection     10 kp       design of the fuse link     6 ror short-circuit protection of the ma	<ul> <li>at 600 V rated value</li> </ul>	0.15 A
• at 24 V rated value     10 A       • at 48 V rated value     2 A       • at 60 V rated value     2 A       • at 110 V rated value     1 A       • at 110 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     11 A       full-load current (FLA) for 3-phase AC motor     11 A       • at 600 V rated value     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     11 A       full-load current (FLA) for 3-phase AC motor     1 faulty switching per 100 million (17 V, 1 mA)       ul/CSA rated value     11 A       • at 600 V rated value     10 fb       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     10 hp       contact rating of auxiliary contacts according to UL     A600 / Q600       Short-circuit protection     10 kp       design of the fuse link     6 ror short-circuit protection of the ma	operational current at DC-13	
• at 48 V rated value       2 A         • at 60 V rated value       2 A         • at 110 V rated value       1 A         • at 125 V rated value       0.9 A         • at 220 V rated value       0.3 A         • at 600 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings       11 A         full-load current (FLA) for 3-phase AC motor       11 A         • at 480 V rated value       11 A         • at 600 V rated value       11 A         • at 600 V rated value       11 A         • at 600 V rated value       11 A         • at 480 V rated value       11 A         • at 600 V rated value       1 A         • at 30 V rated value       0.5 hp         - at 230 V rated value       0.5 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       g6: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)<	•	10 A
<ul> <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>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</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>11 A</li> <li>at 600 V rated value</li> </ul> </li> <li>for single-phase AC motor <ul> <li>at 10/120 V rated value</li> <li>11 A</li> </ul> </li> <li>vielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 220/230 V rated value</li> <li>2 hp</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 220/230 V rated value</li> <li>3 hp</li> <li>at 375/600 V rated value</li> <li>3 hp</li> <li>at 575/600 V rated value</li> <li>3 hp</li> <li>bp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul> </li> <li>Short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>g6: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)</li> <li>g6: 20A (690V, 100kA), aM: 15A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>g6: 10 A (500 V, 1 kA)</li> </ul> </li> </ul>		
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 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>11 A</li> <li>at 600 V rated value</li> <li>11 A</li> </ul> </li> <li>of or single-phase AC motor <ul> <li>at 10/120 V rated value</li> <li>11 A</li> </ul> </li> <li>of or single-phase AC motor <ul> <li>at 10/120 V rated value</li> <li>by a the value</li> <li>contact reliability of vated value</li> <li>contact value</li> <li>dot vated value</li> </ul> </li> <li>of or single-phase AC motor <ul> <li>at 10/120 V rated value</li> <li>by a the value</li> <li>contact value</li> <li>contact value</li> <li>dot vated value</li> <li>dot vated value</li> <li>at 220/230 V rated value</li> <li>at 600/V rated value</li> <li>at 60/480 V rated value</li> <li>at 600/V orated value</li> <li>at 60/480 V rated value</li> <li>by a table value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul> </li> <li>Short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>gG: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS8B: 35A (415V, 80kA)</li> <li>gG: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS8B: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> </li> </ul>		
• 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       11 A         full-load current (FLA) for 3-phase AC motor       11 A         • at 480 V rated value       11 A         • at 600 V rated value       11 A         • at 600 V rated value       11 A         • at 10/120 V rated value       11 A         • of rsingle-phase AC motor       - at 110/120 V rated value         - at 200/208 V rated value       2 hp         • for 3-phase AC motor       - at 200/208 V rated value         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 450/480 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         gG: 20A (690V,100kA), aM: 16A (690V,100kA), BS88: 25A (415V,80kA)       gG: 20A (690V,100kA), aM: 16A (690V,100kA), BS88: 25A (415V,80kA)         with type of assignment 2 required       gG: 10 A (500 V, 100kA), aM: 16A (690V,100kA), BS88: 25A (415V,80kA)         with type of assignment 2 required       <		
• 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       1         full-load current (FLA) for 3-phase AC motor       11 A         • at 800 V rated value       11 A         • at 600 V rated value       11 A         vielded 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       -         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 25A (415V,80kA)         • for short-circuit protection of the auxiliary switch       gG: 10 A (500 V, 1 kA)		
• 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       11 A         • at 480 V rated value       11 A         • at 600 V rated value       11 A         • at 600 V rated value       11 A         yielded mechanical performance [hp]       0.5 hp         • for single-phase AC motor       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       3 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) (9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) (80KA)         • for short-circuit protection of the main circuit       gG: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) (80KA)		
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]       11 A         • for single-phase AC motor       0.5 hp         - at 110/120 V rated value       2 hp         • for 3-phase AC motor       - at 200/208 V rated value         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4600 / Q600         Short-circuit protection of the main circuit       - with type of coordination 1 required         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         - with type of assignment 2 required       gG: 10 A (500 V, 1 kA)		
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • 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         0.5 hp         - at 200/208 V rated value         • for 3-phase AC motor         - at 200/208 V rated value         2 hp         • for 3-phase AC motor         - at 200/208 V rated value         3 hp         - at 20/230 V rated value         3 hp         - at 460/480 V rated value         7.5 hp         - at 575/600 V rated value         10 hp         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         GC: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V, 80kA)         9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch <td< td=""><td></td><td></td></td<>		
full-load current (FLA) for 3-phase AC motor       11 A         • 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       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 460/480 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4600 / Q600         Short-circuit protection of the main circuit       - with type of coordination 1 required         - with type of coordination 1 required       gG: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)         - with type of assignment 2 required       gG: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch       gG: 10 A (500 V, 1 kA)		
<ul> <li>at 480 V rated value</li> <li>11 A</li> <li>at 600 V rated value</li> <li>11 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>b, bp</li> <li>at 230 V rated value</li> <li>construct value</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>b, p</li> <li>at 220/230 V rated value</li> <li>contact value</li> <li>contact rating of auxiliary contacts according to UL</li> </ul> </li> <li>A600 / Q600</li> <li>Short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> </li> </ul>		
• 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       - at 200/208 V rated value         - at 200/208 V rated value       3 hp         - at 220/203 V rated value       3 hp         - at 220/203 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4600 / Q600         gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         - with type of assignment 2 required       gG: 10 A (500 V, 1 kA)		11 0
yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>by rated value</li> <li>cat 230 V rated value</li> <li>choice at 200/208 V rated value</li> <li>choice at 200/208 V rated value</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 220/230 V rated value</li> <li>by an at 460/480 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> </ul> <ul> <li>A600 / Q600</li> </ul> <li>Short-circuit protection</li> <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> </ul> <li>or short-circuit protection of the auxiliary switch</li> <ul> <li>gG: 10 A (500 V, 1 kA)</li> </ul>		
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>bp</li> <li>at 230 V rated value</li> <li>chp</li> </ul> </li> <li>at 230 V rated value</li> <li>chor 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>chp</li> <li>at 220/230 V rated value</li> <li>chp</li> <li>at 460/480 V rated value</li> <li>chor 4460/480 V rated value</li> <li>chor 4460/480 V rated value</li> <li>chor 4460/480 V rated value</li> <li>chor 4575/600 V rated value</li> <li>dhp</li> <li>at 575/600 V rated value</li> <li>dhp</li> </ul> </li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>with type of assignment 2 required</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>with type of assignment 2 required</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> </li>		
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>bp</li> <li>at 230 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>GC: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>Gr short-circuit protection of the auxiliary switch</li> <li>GC: 10 A (500 V, 1 kA)</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>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul> Short-circuit protection design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>GG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>with type of assignment 2 required</li> <li>GG: 10 A (500 V, 1 kA)</li> </ul>		
<ul> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul> </li> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>with type of assignment 2 required</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>for short-circuit protection of the auxiliary switch</li> </ul> </li> </ul>		
<ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>7.5 hp</li> <li>at 575/600 V rated value</li> <li>10 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>with type of assignment 2 required</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> </li> </ul>		2 np
at 220/230 V rated value3 hp at 460/480 V rated value7.5 hp at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionGesign of the fuse link• for short-circuit protection of the main circuitgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) with type of coordination 1 requiredgG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switchgG: 10 A (500 V, 1 kA)		
at 460/480 V rated value7.5 hp at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionA600 / Q600design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switchgG: 10 A (500 V, 1 kA)		
— at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionA600 / Q600design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switchgG: 10 A (500 V, 1 kA)		
contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       design of the fuse link         • for short-circuit protection of the main circuit		
Short-circuit protection         design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         — with type of assignment 2 required         gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch         gG: 10 A (500 V, 1 kA)		
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         — with type of assignment 2 required         gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch         gG: 10 A (500 V, 1 kA)		A600 / Q600
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> </ul> </li> </ul>	Short-circuit protection	
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>	design of the fuse link	
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>	<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>with type of assignment 2 required</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>		gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
		gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,
		gG: 10 A (500 V, 1 kA)

Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted		
	forward and backward by +/- 22.5° on vertical mounting surface		
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
<ul> <li>side-by-side mounting</li> </ul>	Yes		
height	70 mm		
width	45 mm		
depth	73 mm		
required spacing			
with side-by-side mounting			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— 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		
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals		
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals		
of magnet coil	Spring-type terminals		
type of connectable conductor cross-sections			
<ul> <li>for main contacts</li> </ul>			
— solid	2x (0.5 4 mm²)		
— 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)		
at AWG cables for main contacts	_ 2x (20 12)		
connectable conductor cross-section for main			
contacts ● solid	0.5 4 mm²		
solid     stranded	0.5 4 mm <sup>2</sup>		
<ul> <li>stranded</li> <li>finely stranded with core end processing</li> </ul>	0.5 4 mm <sup>2</sup>		
<ul> <li>Intely stranded with core end processing</li> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²		
connectable conductor cross-section for auxiliary			
contacts			
solid or stranded	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²		
• finely stranded without core end processing	0.5 2.5 mm²		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
— solid or stranded	2x (0,5 4 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )		
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)		
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 12)		
AWG number as coded connectable conductor cross section			
<ul> <li>for main contacts</li> </ul>	20 12		
<ul> <li>for auxiliary contacts</li> </ul>	20 12		
Safety related data			
product function			

<ul> <li>mirror contact a</li> </ul>	according to IEC 60947	-4-1	Yes; with 3RH29			
B10 value with high o	demand rate according t	to SN 31920	1 000 000			
proportion of dange	erous failures					
<ul> <li>with low deman</li> </ul>	nd rate according to SN	31920	40 %			
<ul> <li>with high dema</li> </ul>	and rate according to SN	N 31920	73 %			
failure rate [FIT] with 31920	low demand rate accord	ding to SN	100 FIT			
T1 value for proof tes IEC 61508	st interval or service life	according to	20 y	20 y		
protection class IP 60529	on the front according	to IEC	IP20			
touch protection on suitability for use	the front according to	DIEC 60529	finger-safe, for vertical contact from the front			
safety-related s	switching OFF		Yes			
Certificates/ approva	ls					
General Product A	pproval					
St.	CCC	Confirmatio		<u>KC</u>	EHC	
EMC	Functional Safety/Safety of Machinery	Declaration of	of Conformity	Test Certificates		
RCM	<u>Type Examination</u> <u>Certificate</u>		C C EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	
Test Certificates	Marine / Shipping					
<u>Miscellaneous</u>	ABS	B D REAU VERITAS		Lloyd's Register us	PRS	
Marine / Shipping		other		Dangerous Good		
RINA	RMRS RARS	Confirmatio		<u>Transport Informa-</u> <u>tion</u>		
Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10						
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2017-2BB41						
Cax online generator						
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2BB41						
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2BB41						
	Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)					
			b=3RT2017-2BB41⟨=er		ior 03, <i>j</i>	
Characteristic: Trip	ping characteristics, la	t, Let-through d	current			
	ry.siemens.com/cs/ww/					
	tics (e.g. electrical enconsiemens.com/bilddb/i		ing frequency) =Search&mlfb=3RT2017-2Bl	341&objecttype=14&grid	view=view1	

last modified: