## SIEMENS

## Data sheet

## 3RT1076-6AU36



power contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC 240-277 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	165 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	55 W
<ul> <li>without load current share typical</li> </ul>	10 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 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	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
<ul> <li>during storage</li> </ul>	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
lain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C	610 A
rated value	
● at AC-1	
— up to 690 V at ambient temperature 40 °C	610 A
rated value	
— up to 690 V at ambient temperature 60 °C	550 A
rated value	
<ul> <li>— up to 1000 V at ambient temperature 40 °C</li> </ul>	200 A
rated value	
— up to 1000 V at ambient temperature 60 °C	200 A
rated value	
• at AC-3	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
• at AC-3e	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	430 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	536 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	415 A
● at AC-6a	
— up to 230 V for current peak value n=20 rated	414 A
value	
— up to 400 V for current peak value n=20 rated	414 A
value	
— up to 500 V for current peak value n=20 rated	414 A
value	
— up to 690 V for current peak value n=20 rated	414 A
value	
— up to 1000 V for current peak value n=20 rated	180 A
value	
• at AC-6a	070 4
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	276 A
	276 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	210 A
— up to 500 V for current peak value n=30 rated	276 A
value	
— up to 690 V for current peak value n=30 rated	276 A
value	
— up to 1000 V for current peak value n=30 rated	180 A
value	
minimum cross-section in main circuit at maximum AC-1	370 mm²
rated value	
operational current for approx. 200000 operating	
cycles at AC-4	475 0
• at 400 V rated value	175 A
<ul> <li>at 690 V rated value</li> </ul>	150 A
operational current	

— at 24 V rated value	400 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 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	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	400 A
— at 110 V rated value	3 A
- at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
- at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
with 3 current paths in series at DC-3 at DC-5	400 A
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	400 1144
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	98 kW
• at 690 V rated value	148 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	160 000 kVA
• up to 400 V for current peak value n=20 rated value	280 000 VA
• up to 500 V for current peak value n=20 rated value	350 000 VA
• up to 690 V for current peak value n=20 rated value	490 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	310 000 VA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	110 000 VA

<ul> <li>up to 580 V for current pack value n=30 and value</li> <li>up to 1000 V for current pack value n=30 and value</li> <li>up to 1000 V for current pack value n=30 and value</li> <li>short-time withstand current in cold operating state value</li> <li>ill mitted to 1 s witching at zero current maximum</li> <li>ill mitted to 1 s witching at zero current maximum</li> <li>ill mitted to 1 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill mitted to 3 s witching at zero current maximum</li> <li>ill AC-2</li> <li>ill AC-2</li> <li>ill AC-2</li> <li>ill AC-2</li> <li>ill AC-2</li> <li>ill AC-3</li> <li>ill AC-3</li> <li>maximum</li> <li>ill AC-3</li> <li>maximum</li> <li>ill AC-3</li> <li>maximum</li> <li>ill AC-4</li> <li>maximum</li> <li>ill AC-4 <li>ill AC-4</li></li></ul>		
<ul> <li>• up to 800 V for current peak value n=30 rated value</li> <li>• up to 800 V for current peak value n=30 rated value</li> <li>• all 000 V for current peak value n=30 rated value</li> <li>• all 000 V for current peak value n=30 rated value</li> <li>• all 000 V for current maximum</li> <li>• limited to 1 s witching at zero current maximum</li> <li>• limited to 1 s witching at zero current maximum</li> <li>• limited to 30 s witching at zero current maximum</li> <li>• limited to 30 s witching at zero current maximum</li> <li>• limited to 30 s witching at zero current maximum</li> <li>• limited to 30 s witching at zero current maximum</li> <li>• limited to 30 s witching at zero current maximum</li> <li>• limited to 30 s witching at zero current maximum</li> <li>• all AC</li> <li>• all AC</li> <li>• all AC</li> <li>• all AC</li> <li>• maximum</li> <li>• all AC</li> <li>• all AC<td><ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul></td><td>190 000 VA</td></li></ul>	<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	190 000 VA
• up to 1000 V for current pack value n=30 rated value         310 000 VA           short-time withstand current in cold operating state up to 40 °C         7494 A: Use minimum cross-section acc. to AC-1 rated value           • limited to 1 s switching at zero current maximum         7494 A: Use minimum cross-section acc. to AC-1 rated value           • limited to 10 s switching at zero current maximum         5978 A: Use minimum cross-section acc. to AC-1 rated value           • limited to 20 s switching at zero current maximum         2687 A; Use minimum cross-section acc. to AC-1 rated value           • at AC         2000 1/h           • at AC-1 maximum         2001 1/h           • at AC-1 maximum         100 1/h           • at AC-3 maximum         420 1/h           • at AC-4 maximum         120 1/h           • at AC + rated value         240 277 V           • at AD + zrated value         240 277 V <tr< td=""><td><ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul></td><td>230 000 VA</td></tr<>	<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	230 000 VA
value           bind-time whitshand current in cold operating state up to 40 °C           • limited to 15 switching at zero current maximum           • limited to 15 switching at zero current maximum           • limited to 16 s switching at zero current maximum           • limited to 16 switching at zero current maximum           • limited to 16 switching at zero current maximum           • limited to 16 switching at zero current maximum           • limited to 16 switching at zero current maximum           • limited to 16 switching at zero current maximum           • limited to 16 switching at zero current maximum           • limited to 17 switching at zero current maximum           • limited to 18 switching at zero current maximum           • at AC           • at AC           • at AC           • at AC           • at AC-3 maximum           • at AC-4 maximum           • at SO Hz rated value	<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	330 000 VA
short-time withstand current in cold operating state up to 40 *C         7494 A: Use minimum cross-section acc. to AC-1 rated value           * limited to 10 s switching at zero current maximum         7494 A: Use minimum cross-section acc. to AC-1 rated value           * limited to 10 s switching at zero current maximum         5978 A: Use minimum cross-section acc. to AC-1 rated value           * limited to 30 s switching at zero current maximum         5978 A: Use minimum cross-section acc. to AC-1 rated value           * limited to 30 s switching at zero current maximum         2000 1/h           * at AC         2000 1/h           * at AC         2000 1/h           * at AC-1 maximum         500 1/h           * at AC-1 maximum         500 1/h           * at AC-3 maximum         420 1/h           * at AC-4 maximum         420 1/h		310 000 VA
up to 4° C       • limited to 1 s switching at zero current maximum       7484 A: Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       9785 A: Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       9785 A: Use minimum cross-section acc. to AC-1 rated value         • limited to 00 s switching at zero current maximum       9785 A: Use minimum cross-section acc. to AC-1 rated value         • at AC       2000 th         • at AC       2000 th         • at AC-3 maximum       500 th         • at AC-4 maximum       170 th         • at AC-4 maximum       120 th         • at BO Hz rated value       240 277 V         • at BO Hz rated value       0.8         • intilat value       0.8         • intilat value       0.8         • intilat value       0.		
• Initiate to 1 s switching at zero current maximum         • Initiate to 3 s switching at zero current maximum         • Initiate to 3 s switching at zero current maximum         • Initiate to 3 s switching at zero current maximum         • Initiate to 3 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 6 s switching at zero current maximum         • Initiate to 1 for switching frequency         • Initiate to 1 for switching at zero current switching frequency         • Initiate to 1 for switching at zero current switching frequency         • Initiate to 1 for switching at zero current switching at zero current switching at zero current switching frequency         • Initiate to 1 for switching at zero current switching at zero current switching at zero current switching at zero current switching at zero switching at zero current switching at zero switching at zero switching at zero current switching at zero current switching at zero swi		
• limited to 5 switching at zero current maximum       7484 A: Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       3765 A: Use minimum cross-section acc. to AC-1 rated value         • at AC       2 000 1/h         • at AC-1 maximum       500 1/h         • at AC-1 maximum       500 1/h         • at AC-1 maximum       500 1/h         • at AC-3 maximum       420 1/h         • at AC-4 maximum       170 1/h         • at AC-4 maximum       130 1/h         • at AC-4 maximum       240 277 V         • at 80 Hz rated value       240 277 V         • control supply voltage at DC       • at 80 Hz rated value         • initial value       0.8         • initial value       0.8         • initial value       0.8         • initial value       0.8         • at 60 Hz	•	7.484 A: Use minimum cross-section acc. to AC-1 rated value
<ul> <li>Initiate to 10 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 s switching at zero current maximum</li> <li>Imited to 80 switching at zero switching at zero switching at zero switching to 80 switching to 80 switching to 80 switching to 80 switching at zero switching at zero switching at zero switching to 80 switching to 80</li></ul>	-	
• limited to 30 s witching at zero current maximum         3765 A: Use minimum cross-section acc. to AC-1 rated value           • al AC         2887 A; Use minimum cross-section acc. to AC-1 rated value           • al AC         2000 1/h           • al AC-1 maximum         500 1/h           • al AC-3 maximum         420 1/h           • al AC-4 maximum         420 1/h           • al AC + rated value         240 277 V           • control supply voltage at AC	-	
• limited to &0 switching at zero current maximum         2 887 A: Use minimum cross-section acc. to AC-1 rated value           • al AC         2 000 1/h           • at DC         2 000 1/h           • at DC         2 000 1/h           • at AC-1 maximum         500 1/h           • at AC-3 maximum         420 1/h           • at AC-3 maximum         420 1/h           • at AC-3 maximum         420 1/h           • at AC-4 maximum         130 1/h           Control accult Control         240 277 V           • at 50 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         0.8           • initial value         0.8           • initial value         0.8           • initial value         0.8           • at 60 Hz         0.8           • at 50 Hz         0.8           • at 50 Hz         0.8           • at 50 Hz         0.8           • at 60 Hz         0.9	-	
no-load switching frequency         2 000 1/h           • at AC         2 000 1/h           • at AC         2 000 1/h           • at AC-2 maximum         170 1/h           • at AC-2 maximum         170 1/h           • at AC-3 maximum         420 1/h           • at AC-3 maximum         420 1/h           • at AC-3 maximum         420 1/h           • at AC-4 maximum         130 1/h           Control scuptly voltage at AC         0           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • at 60 Hz rated value         240 277 V           • operating range factor control supply voltage rated value         0.8           • initial value         0.8           • initial value         0.8 1.1           • at 50 Hz         0.8 1.1           • at 50 Hz         0.8 1.1           • at 50 Hz         0.9 1.1           • at 60 Hz         0.9           • at 60 Hz         0.9 <td></td> <td></td>		
• el AC     2 000 1/h       • el AC     2 000 1/h       • el AC     2 000 1/h       • el AC     maximum		2 007 A, Use minimum cross-section acc. to AC-1 rated value
• at DC2 000 1hoperating frequencyat AC-1 maximum• at AC-2 maximum500 1h• at AC-3 maximum170 1h• at AC-3 maximum420 1h• at AC-3 maximum420 1h• at AC-4 maximum130 1h• at AC-4 maximum130 1h• at AC-4 maximum130 1h• at AC-4 maximum240 277 V• at 60 Hz rated value240 277 V• orntol supply voltage at DC• rated value• initial value0.8• initial value0.8• initial value0.8• at 60 Hz0.8• at 60 Hz830 VA• at 60 Hz830 VA• at 60 Hz0.9• at 60 Hz0.9		2 000 1/b
operating frequency         • at AC-1 maximum         • at AC-2 maximum         • at AC-3 maximum         • at AC-4 maximum		
• at AC-1 maximum     500 1/h       • at AC-2 maximum     170 1/h       • at AC-2 maximum     420 1/h       • at AC-3 emaximum     420 1/h       • at AC-4 maximum     130 1/h       Control circuit/ Control     130 1/h       Control circuit/ Control     200 277 V       • at 50 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • orated value     0.8       • initial value     0.8       • initial value     0.8       • at 60 Hz     0.8 1.1       • at 60 Hz     0.9 0.1       • at 60		2 000 1/11
• at AC-2 maximum       170 1/h         • at AC-3 maximum       420 1/h         • at AC-4 maximum       130 1/h         Control drault/ Control       130 1/h         Control drault/ Control       130 1/h         Control drault/ Control       240 277 V         • at 50 Hz rated value       240 277 V         control supply voltage at AC       240 277 V         • at 60 Hz rated value       240 277 V         control supply voltage at DC       • at 60 Hz rated value         • at 60 Hz rated value       0.8         • at 60 Hz       0.8         • at 60 Hz       0.8         • at 60 Hz       0.8         • at 50 Hz       0.8         • at 50 Hz       0.8         • at 50 Hz       0.8         • at 60 Hz       0.8         • at 60 Hz       0.9         • at 60 Hz </td <td></td> <td>500 1/h</td>		500 1/h
• at AC-3 maximum     420 1/h       • at AC-3 maximum     420 1/h       • at AC-4 maximum     130 1/h       Control circuit/ Control     ype of voltage of the control supply voltage     AC/DC       control supply voltage at AC     • at 50 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • operating range factor control supply voltage rated     240 277 V       • operating range factor control supply voltage rated     240 277 V       • operating range factor control supply voltage rated     240 277 V       • operating range factor control supply voltage rated     0.8       • full-scale value     0.8       • at 60 Hz     0.8       • at 60 Hz     0.8       • at 60 Hz     0.9		
• at AC-3e maximum     420 1/h       • at AC-4 maximum     130 1/h       Control supply voltage at AC     AC/DC       control supply voltage at AC     420 277 V       • at 60 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       • end value     240 277 V       • order value     240 277 V       • ender value     240 277 V       • ender value     240 277 V       • operating range factor control supply voltage rated value of magnet coil at DC     0.8       • initial value     0.8       • initial value     0.8 1.1       • operating range factor control supply voltage rated value of magnet coil at AC     0.8 1.1       • at 60 Hz     0.8 1.1       • at 60 Hz     0.8 1.1       • at 60 Hz     0.9       •		
• at AC-4 maximum       130 1/h         Control circuit/ Control       AC/DC         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       240 277 V         • at 60 Hz rated value       0.8         • initial value       0.8         • initial value       0.8         • at 50 HZ       0.8 1.1         • at 60 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         • at 60 Hz       0.9		
Control circuit/ Control supply voltage         AC/DC           control supply voltage at AC         4           e at 50 Hz rated value         240 277 V           e at 60 Hz rated value         240 277 V           control supply voltage at DC         240 277 V           e at 64 value         240 277 V           control supply voltage at DC         240 277 V           e at 64 value         240 277 V           operating range factor control supply voltage rated value of magnet coil at DC         0.8           • initial value         0.8           • initial value         0.8           • at 50 Hz         0.8 1.1           • et 50 Hz         0.9           • et 60 Hz		
type of voltage of the control supply voltage         AC/DC           e at 60 Hz rated value         240 277 V           e at 60 Hz rated value         240 277 V           control supply voltage at DC         240 277 V           e at advalue         240 277 V           operating range factor control supply voltage rated value of magnet coil at DC         0.8           • ential value         0.8           • ention Hz         0.9           • ention Hz		
control supply voltage at AC       240 277 V         e at 50 Hz rated value       240 277 V         control supply voltage at DC       240 277 V         e at 60 Hz rated value       240 277 V         control supply voltage at DC       240 277 V         e at 60 Hz range factor control supply voltage rated value of magnet coil at DC       0.8         • full-scale value       1.1         operating range factor control supply voltage rated value of magnet coil at AC       0.8 1.1         • at 60 Hz       0.8 1.1         design of the surge suppressor       0.8 0.8 0.1         apparent pick-up power of magnet coil at AC       830 VA         • at 50 Hz       0.9         • at 60 Hz       0.9		
• at 50 Hz rated value     240 277 V       • at 60 Hz rated value     240 277 V       control supply voltage at DC     • rated value       • rated value     240 277 V       operating range factor control supply voltage rated value of magnet coil at DC     0.8       • initial value     0.8       • initial value     0.8       • at 50 Hz     0.8 1.1       operating range factor control supply voltage rated value of magnet coil at AC     0.8 1.1       • at 60 Hz     0.8 1.1       • at 60 Hz     0.8 1.1       design of the surge suppressor     with varistor       apparent plck-up power of magnet coil at AC     830 VA       • at 60 Hz     0.9       • at 60 Hz		
• at 60 Hz rated value240 277 Vcontrol supply voltage at DC240 277 Voperating range factor control supply voltage rated value of magnet coil at DC0.8• initial value0.8• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC0.8• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varisforapparent pick-up power of magnet coil at AC0.9• at 60 Hz0.9• at 60 Hz0.9operating power of magnet coil at AC0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz9.2 VA• at 60 Hz9.2 VA• at 60 Hz0.9• at 60 Hz0.9		240 277 \/
control supply voltage at DC240 277 Voperating range factor control supply voltage rated value of magnet coil at DC0.8• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC0.8• at 50 Hz0.8• at 50 Hz0.8• at 50 Hz0.8• at 50 Hz0.9• at 50 Hz0.9• at 50 Hz0.9• at 60 Hz		
• rated value     240 277 V       operating range factor control supply voltage rated value of magnet coil at DC     0.8       • full-scale value     1.1       operating range factor control supply voltage rated value of magnet coil at AC     0.8       • at 50 Hz     0.8 1.1       design of the surge suppressor     with varisfor       apparent pick-up power of magnet coil at AC     0.8       • at 60 Hz     0.9       inductive power factor with closing power of the coil     0.9       • at 50 Hz     0.9       • at 60 Hz     0.9       inductive power of magnet coil at AC     0.9       • at 50 Hz     0.9       • at 60 Hz     0.9       inductive power of magnet coil at AC     0.9       • at 50 Hz     0.9       • at 60 Hz     0.9       inductive power factor with the holding power of the coil     0.9       • at 50 Hz     0.9       • at 60 Hz     0.9       inductive power factor with the holding power of the coil     0.9       • at 60 Hz     0.9       inductive power of coil at DC     0.9       • at 60 Hz     0.9       • at 60 Hz     0.9       • at 0C     20 W       holding power of magnet coil at DC     10 W       closing delay     41		240 211 V
operating range factor control supply voltage rated value of magnet coll at DC0.8• Initialit value0.8• full-scale value1.1operating range factor control supply voltage rated value of magnet coll at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coll at AC830 VA• at 50 Hz0.9• at 50 Hz0.9• at 50 Hz0.9• at 60 Hz0.9• at 00 Hz0.		240 277 V
value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1         operating range factor control supply voltage rated value of magnet coil at AC       0.8 1.1         • at 50 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         design of the surge suppressor       with varistor         apparent pick-up power of magnet coil at AC       830 VA         • at 60 Hz       830 VA         • at 60 Hz       0.9         • at DC       45 100		
• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varisforapparent pick-up power of magnet coil at AC830 VA• at 50 Hz830 VA• at 60 Hz0.9• at 0C45 100 ms• at 0C45 100 ms• at 0C60 100 ms•		
operating range factor control supply voltage rated value of magnet coil at AC       0.8 1.1         • at 50 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         design of the surge suppressor       with varistor         apparent pick-up power of magnet coil at AC       830 VA         • at 60 Hz       830 VA         • at 60 Hz       0.9         inductive power factor with closing power of the coil       0.9         • at 60 Hz	initial value	0.8
value of magnet coil at AC       0.8 1.1         • at 50 Hz       0.8 1.1         design of the surge suppressor       with variator         apparent pick-up power of magnet coil at AC       830 VA         • at 50 Hz       0.9         • at 60 Hz       0.9         apparent holding power of magnet coil at AC       9.2 VA         • at 60 Hz       0.9         • at 60 Hz       9.2 VA         inductive power factor with the holding power of the coil       9.2 VA         • at 60 Hz       0.9         • at 60 Hz <t< td=""><td><ul> <li>full-scale value</li> </ul></td><td>1.1</td></t<>	<ul> <li>full-scale value</li> </ul>	1.1
value of magnet coil at AC       0.8 1.1         • at 50 Hz       0.8 1.1         design of the surge suppressor       with variator         apparent pick-up power of magnet coil at AC       830 VA         • at 50 Hz       0.9         • at 60 Hz       0.9         apparent holding power of magnet coil at AC       9.2 VA         • at 60 Hz       0.9         • at 60 Hz       9.2 VA         inductive power factor with the holding power of the coil       9.2 VA         • at 60 Hz       0.9         • at 60 Hz <t< td=""><td>operating range factor control supply voltage rated</td><td></td></t<>	operating range factor control supply voltage rated	
• at 80 Hz0.8 1.1design of the surge suppressorwith variatorapparent pick-up power of magnet coil at AC830 VA• at 50 Hz830 VA• at 60 Hz830 VAinductive power factor with closing power of the coil0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz9.2 VA• at 60 Hz10 Wcoil0.9• at 60 Hz0.9• at 80 Hz60 100 ms• at 90 Hz10 15 ms• arcing time10 15 ms	value of magnet coil at AC	
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apparent pick-up power of magnet coil at AC• at 50 Hz830 VA• at 60 Hz830 VAinductive power factor with closing power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9apparent holding power of magnet coil at AC9.2 VA• at 50 Hz9.2 VA• at 60 Hz0.9• at AC45 100 ms• at AC60 100 ms• at AC60 100 ms• at AC60 100 ms• at AC60 100 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2		0.8 1.1
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inductive power factor with closing power of the coil       0.9         • at 50 Hz       0.9         apparent holding power of magnet coil at AC       9.2 VA         • at 50 Hz       9.2 VA         • at 60 Hz       0.9         closing power of magnet coil at DC       920 W         holding power of magnet coil at DC       10 W         closing delay       -         • at AC       45 100 ms         • at AC       60 100 ms         • at AC       60 100 ms         • at AC       60 100 ms         • at DC       50		
• at 50 Hz0.9• at 60 Hz0.9apparent holding power of magnet coil at AC9.2 VA• at 50 Hz9.2 VA• at 60 Hz9.2 VAinductive power factor with the holding power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC920 Wholding power of magnet coil at DC920 Wholding power of magnet coil at DC10 Wclosing delay45 100 ms• at AC45 100 ms• at AC60 100 ms• at DC60 100 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2		830 VA
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apparent holding power of magnet coil at AC       9.2 VA         • at 50 Hz       9.2 VA         • at 60 Hz       9.2 VA         inductive power factor with the holding power of the coil       0.9         • at 50 Hz       0.9         • at 60 Hz       0.9         closing power of magnet coil at DC       920 W         holding power of magnet coil at DC       10 W         closing delay       10 W         • at AC       45 100 ms         • at AC       60 100 ms         • at DC       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2		
• at 50 Hz9.2 VA• at 60 Hz9.2 VAinductive power factor with the holding power of the coil9.2 VA• at 50 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC920 Wholding power of magnet coil at DC920 Wholding power of magnet coil at DC920 Wo at AC45 100 ms• at AC45 100 ms• at AC60 100 ms		0.9
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inductive power factor with the holding power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC920 Wholding power of magnet coil at DC10 Wclosing delay• at AC45 100 ms• at DC45 100 ms• at AC60 100 ms• at AC60 100 ms• at DC60 100 ms• at DC60 100 ms• at DC50 100 ms• at DC60 100 ms• at DC60 100 ms• at DC50 100 ms• at DC60 100 ms• at DC50 100 ms• at DC60 100 ms		
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opening delay     60 100 ms       • at AC     60 100 ms       • at DC     60 100 ms       arcing time     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2		45 100 ms
• at AC       60 100 ms         • at DC       60 100 ms         arcing time       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2	• at DC	45 100 ms
• at AC       60 100 ms         • at DC       60 100 ms         arcing time       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2	opening delay	
arcing time     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2	• at AC	60 100 ms
control version of the switch operating mechanism Standard A1 - A2	• at DC	60 100 ms
	arcing time	10 15 ms
Auxiliary circuit	control version of the switch operating mechanism	Standard A1 - A2
	Auxiliary circuit	

number of NC contacts for auxiliary contacts         2           number of NO contacts for auxiliary contacts         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6           • 1230 V rated value         3 A           • • 1600 V rated value         2 A           • • 1600 V rated value         0 A <th></th> <th></th>		
Instantancia: contact operational current at AC-16 e 1230 V rated value e 1400 V rated value e 1600 V rated value e 160 V rated va		2
operational current at AC-15         6           • • at 200 V rated value         3 A           • • at 500 V rated value         3 A           • • at 500 V rated value         2 A           • • at 600 V rated value         1 A           operational current at DC-12         6 A           • • at 64 V rated value         6 A           • • at 64 V rated value         6 A           • • at 64 V rated value         6 A           • • at 64 V rated value         6 A           • • at 60 V rated value         1 A           • • at 60 V rated value         1 A           • • at 60 V rated value         0 A           • • at 60 V rated value         0 A           • • at 60 V rated value         0 A           • • at 60 V rated value         0 A           • • at 60 V rated value         0 A           • • at 60 V rated value         0 A           • • at 220 V rated value         0 A           • • at 220 V rated value         0 A           • • at 800 V rated value         0 A           • • at 800 V rated value         477 A           • • at 800 V rated value         477 A           • • at 800 V rated value         400 hp           • • at 200200 V rated value         200 hp <td></td> <td>2</td>		2
• e1 230 V rated value     6.A       • e1 600 V rated value     2.A       • e1 630 V rated value     1.A       • operational current at DC-12     6.A       • e1 60 V rated value     6.A       • e1 60 V rated value     6.A       • e1 60 V rated value     6.A       • e1 61 V rated value     6.A       • e1 62 V rated value     6.A       • e1 62 V rated value     7.A       • e1 62 V rated value     7.7 A       • e1 62 V rated value     4.72 A       • e1 60 V rated value     50 h p       - e1 200208 V rated value     50 h p       - e1 200208 V rated value     500 h p<	operational current at AC-12 maximum	10 A
• # 400 V rated value     3.A       • # 600 V rated value     2.A       • # 600 V rated value     1.A       operational current at DC-12     6.A       • # 14 V rated value     6.A       • # 10 V rated value     6.A       • # 110 V rated value     6.A       • # 12 V rated value     6.A       • # 12 V rated value     0.A       • # 16 0	operational current at AC-15	
• at 600 V rated value         2 Å           • at 600 V rated value         1 Å           operational current at DC-12         0 Å           • at 60 V rated value         6 Å           • at 60 V rated value         6 Å           • at 10 V rated value         6 Å           • at 10 V rated value         2 Å           • at 122 V rated value         2 Å           • at 122 V rated value         0 Å           • at 122 V rated value         0 Å           • at 02 V rated value         0 Å           • at 02 V rated value         0 Å           • at 02 V rated value         0 Å           • at 04 V rated value         0 Å           • at 050 V rated value         0 Å           • at 050 V rated value         0 Å           • at 050 V rated value         477 Å           • at 600 V rated value         477 Å           • at 600 V rated value         477 Å           • at 600 V rated value         400 hp           • at 20020 V rated value         500 hp           • at 20020 V rated value         500 hp           • at 40048	<ul> <li>at 230 V rated value</li> </ul>	6 A
• at 680 V rated value     1 Å       operational current at DC-12     •       • at 24 V rated value     6 Å       • at 10 V rated value     3 Å       • at 125 V rated value     2 Å       • at 220 V rated value     0.15 Å       • at 240 V rated value     0.15 Å       • at 250 V rated value     0.15 Å       • at 200 V rated value     0.15 Å       • at 200 V rated value     0.15 Å       • at 800 V rated value     0.16 Å       • at 800 V rated value     0.16 Å       • at 800 V rated value     0.16 Å       • at 800 V rated value     0.3 Å       • at 800 V rated value     0.14 Å       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       ULICSA rating SU     77 Å       • at 800 V rated value     477 Å       • at 800 V rated value     477 Å       • at 800 V rated value     470 Å       • at 800 V rated value     400 Å       • at 800 V	<ul> <li>at 400 V rated value</li> </ul>	3 A
operational current at DC-12         10 A           • at 24 Vitated value         10 A           • at 34 Vitated value         6 A           • at 80 Vitated value         6 A           • at 10 Vitated value         6 A           • at 25 Vitated value         7 A           • at 26 Vitated value         1 A           • at 600 Vitated value         1 A           • at 600 Vitated value         1 A           • at 600 Vitated value         0.15 A           operational current at DC-13         0 A           • at 20 Vitated value         0.3 A           • at 10 Vitated value         0.3 A           • at 20 Vitated value         0.3 A           • at 20 Vitated value         0.1 A           • at 20 Vitated value         0.1 A           • at 80 Vitated value         0.1 A           • at 80 Vitated value         477 A           • at 80 Vitated value         477 A           • at 80 Vitated value         477 A           • at 80 Vitated value         400 hp           • at 800 Vitated value         400 hp           • at 800 Vitated value         400 hp           • at 800 Vitated value         500 hp           • at 800 Vitated value         500 hp	<ul> <li>at 500 V rated value</li> </ul>	2 A
it 24 V rited value       it 24 V rited value       it 26 V rited value       it 30 V rated value       0.9 A       it 30 V rated value       0.9 A       it 30 V rated value       0.1 A       it 30 V rated value       it 30 V p       it add avalue       it 40 V rated value       it 30 V p       it add avalue       it 30 V p       it add avalue       it 30 V rated value       it 30 V rated value       it 30 V p       it 40 V rated value       it 50 hp       contract rate it avalue value       it 50 hp       contract rate it avalue value       it 50 hp       contract rate it avalue       it 50 hp	at 690 V rated value	1 A
• at 48 V rated value     6 Å       • at 160 V rated value     6 Å       • at 172 V rated value     3 Å       • at 125 V rated value     1 Å       • at 260 V rated value     0.15 Å       operational current at DC-13     0.15 Å       • at 48 V rated value     0.16 Å       • at 42 V rated value     0.16 Å       • at 48 V rated value     0.16 Å       • at 48 V rated value     2 Å       • at 10 V rated value     0.9 Å       • at 120 V rated value     0.3 Å       • at 200 V rated value     0.3 Å       • at 200 V rated value     0.1 Å       • at 600 V rated value     477 Å       • at 600 V rated value     470 Å       • at 600 V rated value     400 hp       - at 200/208 V rated value     50 hp       - at 200/208 V rated value     500 hp       - at 202/200 V rated value     500 hp       - at 460480 V rated value     500 hp       - at 460480 V rated value     500 hp       - at 575860 V rated value     500 hp       • or short-circuit protection of the main circu	operational current at DC-12	
• at 60 V rated value         6 Å           • at 120 V rated value         3 Å           • at 220 V rated value         1 Å           • at 220 V rated value         0.15 Å           operational current at DC-13         0.16 Å           • at 80 V rated value         10 Å           • at 81 V rated value         2 Å           • at 81 V rated value         2 Å           • at 81 V rated value         2 Å           • at 81 V rated value         0.9 Å           • at 220 V rated value         0.1 Å           • at 220 V rated value         0.1 Å           • at 220 V rated value         0.1 Å           • at 200 V rated value         0.1 Å           • at 80 V rated value         0.1 Å           • at 800 V rated value         477 Å           • at 800 V rated value         477 Å           • at 800 V rated value         477 Å           • at 480 V rated value         470 Å           • at 480 V rated value         470 Å           • at 480 V rated value         400 ħ           • at 480 V rated value         500 ħ <tr< td=""><td><ul> <li>at 24 V rated value</li> </ul></td><td>10 A</td></tr<>	<ul> <li>at 24 V rated value</li> </ul>	10 A
	<ul> <li>at 48 V rated value</li> </ul>	6 A
• at 125 V rated value     2 Å       • at 220 V rated value     0.15 Å       opprational current at DC-13     0       • at 24 V rated value     10 Å       • at 48 V rated value     2 Å       • at 125 V rated value     0.8 Å       • at 125 V rated value     0.3 Å       • at 220 V rated value     0.1 Å       contact reliability of rated value     477 Å       • at 600 V rated value     477 Å       • at 600 V rated value     470 Å       • at 600 V rated value     200 hp       - at 400 V rated value     200 hp       - at 400 V rated value     500 hp       - at 4575600 V rated value     500 hp       contact rating of auxiliary contacts according to UL     4600 / Q600       Short-circuit protection of the main circuit	<ul> <li>at 60 V rated value</li> </ul>	6 A
• at 220 V rated value     1 A       • at 400 V rated value     0.15 A       • at 24 V rated value     10 A       • at 24 V rated value     10 A       • at 48 V rated value     2 A       • at 10 V rated value     2 A       • at 10 V rated value     2 A       • at 10 V rated value     0.3 A       • at 20 V rated value     0.3 A       • at 200 V rated value     0.1 A       • contact reliability of auxillary contacts     1 fauly switching per 100 million (17 V, 1 mA)       UL/CSA ratings     477 A       • at 600 V rated value     470 A       • at 600 V rated value     470 A       • at 600 V rated value     200 hp       • at 600 V rated value     500 hp       • for short-circuit protection of the main circuit     66: 600 A (690 V, 100 kA), gS 60 A (690 V, 50 kA), ES 88: 500 A (415 V, 50 kA)       • for short-circuit protection of the auxiliary switch     gG: 600 A (690 V, 100 kA), gG: 500 A (690 V, 50 kA), ES 88: 500 A	<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 43 V rated value     10 Å       • at 43 V rated value     2 Å       • at 60 V rated value     2 Å       • at 125 V rated value     0.9 Å       • at 200 V rated value     0.3 Å       • at 200 V rated value     0.1 Å       • at 200 V rated value     0.1 Å       • at 200 V rated value     0.1 Å       • at 800 V rated value     477 Å       • at 800 V rated value     472 Å       • at 800 V rated value     472 Å       • at 800 V rated value     150 hp       - at 200208 V rated value     200 hp       - at 200208 V rated value     200 hp       - at 80040 v rated value     500 hp       • for short-circuit protection of the main circuit     500 hp       - at 575600 V rated value     500 hp       • for short-circuit protection of the auxiliary switch     gG: 600 A (690 V, 100 kÅ), aM: 500 A (690 V, 50 kÅ), BSB8: 500 A (415 V, 50 kÅ)       • for short-circuit protection of the auxiliary switch     gG: 10 A (600 V, 100 kÅ), aM: 500 A (690 V, 50 kÅ), BSB8: 500 A (415 V, 50 kÅ)       • with type of assignment 2 required     500 hp       • with typ	<ul> <li>at 125 V rated value</li> </ul>	2 A
operational current at DC-13         10 A           • at 24 V rated value         10 A           • at 48 V rated value         2 A           • at 60 V rated value         2 A           • at 10 V rated value         2 A           • at 10 V rated value         0.9 A           • at 220 V rated value         0.9 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         4460 V rated value           vielded mechanical performance [hp]         477 A           • at 800 V rated value         470 P           • at 800 V rated value         470 P           • at 800 V rated value         400 hp           - at 200/208 V rated value         200 hp           - at 575/600 V rated value         500 hp           • for short-circuit protection of the main circuit         gc 800 A (690 V, 100 kA), at: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)           • for short-circuit protection of the auxilliary switch required         gc: 10 A (500 V, 100 kA)     <	<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 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 fault switching per 100 million (17 V, 1 mA)         ///CSA ratings       77 A         full-load current (FLA) for 3-phase AC motor       477 A         • at 420 V rated value       477 A         • at 420 V rated value       472 A         yielded mechanical performance [hp]       • for 3-phase AC motor         • for 3-phase AC motor       - at 220/230 V rated value         - at 220/230 V rated value       150 hp         - at 220/230 V rated value       200 hp         - at 55/600 V rated value       500 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection of the main circuit       - with type of coordination 1 required         - with type of coordination 1 required       gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS8: 500 A (415 V, 50 kA)         - with type of coordination 1 required       gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS8: 500 A (415 V, 50 kA)         - with type of coordination 1 required       yo	<ul> <li>at 600 V rated value</li> </ul>	0.15 A
• at 48 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     1 A       • at 125 V rated value     0.9 A       • at 220 V rated value     0.1 A       • at 800 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     477 A       • at 800 V rated value     477 A       • at 800 V rated value     472 A       • of 60 V rated value     472 A       • of 80 V rated value     472 A       • of 80 V rated value     472 A       • of 80 V rated value     470 A       • of 80 V rated value     200 hp       - at 220/230 V rated value     200 hp       - at 220/230 V rated value     200 hp       - at 450480 V rated value     400 hp       - at 220/230 V rated value     500 hp       contact rating of auxiliary contacts according to UL     A600 / Q600       Short-circuit protection of the main circuit     - with type of coordination 1 required       - with type of coordination 1 required     96: 500 A (690 V, 100 kA)       • for short-circuit protection of the auxiliary switch required     96: 500 A (690 V, 100 kA)       • for short-circuit protection of the auxiliary switch required     96: 10 A (500 V, 10 kA), st 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) <tr< td=""><td>operational current at DC-13</td><td></td></tr<>	operational current at DC-13	
• at 60 V rated value       2 A         • at 110 V rated value       1 A         • at 220 V rated value       0.9 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         full-oad current (FLA) for 3-phase AC motor       477 A         • at 480 V rated value       477 A         • at 480 V rated value       472 A         yielded mechanical performance [hp]       600 hp         • for 3-phase AC motor       150 hp         - at 200/208 V rated value       200 hp         - at 400/400 V rated value       200 hp         - at 4575/000 V rated value       500 hp         - at 575/000 V rated value       500 hp         - at 575/000 V rated value       500 hp         - at 60/480 W rated value       500 hp         - with type of coordination 1 required       500 A (690 V, 100 KA)         - with type of coordination 1 required       gG: 500 A (690 V, 100 KA)         - with type of assignment 2 required       GG: 600 V, 100 KA)         - with type of assignment 2 required       Sci 0 A (690 V, 100 KA), abit 500 A (690 V, 50 KA), BS88: 500 A (415 V, 50 KA)         - for short-circuit protection of the auxiliary switch       ci 0 A (500 V, 1 KA)	• at 24 V rated value	10 A
• at 110 V rated value       1 A         • at 125 V rated value       0.9 A         • at 200 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings       Itality switching per 100 million (17 V, 1 mA)         UL/CSA ratings       477 A         • at 600 V rated value       477 A         • at 600 V rated value       477 A         • at 600 V rated value       472 A         • at 600 V rated value       470 A         • at 600 V rated value       470 A         • at 600 V rated value       470 A         • at 600 V rated value       500 hp         - at 200/200 V rated value       200 hp         - at 460/480 V rated value       500 hp         - f	• at 48 V rated value	2 A
• at 125 V rated value     0.9 A       • at 220 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     1       full-load current (FLA) for 3-phase AC motor     477 A       • at 400 V rated value     477 A       • at 400 V rated value     477 A       • at 600 V rated value     472 A       yleided mechanical performance [hp]     -       • for 3-phase AC motor     -       - at 200/200 V rated value     200 hp       - at 200/200 V rated value     400 hp       - at 40/400 V rated value     400 hp       - at 457/600 V rated value     500 hp       Contact rating of auxiliary contacts according to UL     A00 / 0600       Stort-circuit protection     GG: 500 A (690 V, 100 kA)       - with type of consignment 2 required     gG: 500 A (690 V, 100 kA)       - with type of assignment 2 required     gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)       e for short-circuit protection of the auxiliary switch required     screw fixing       • for short-circuit protection of the auxiliary switch required     gG: 500 A (690 V, 10 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)       e side-by-side mounting     Yes       Installation/ mounting/ dimensions     Screw fixing       with vertical mounting surface +/-	• at 60 V rated value	2 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)         UU/CSA ratings       477 A         full-load current (FLA) for 3-phase AC motor       477 A         • at 480 V rated value       477 A         • at 600 V rated value       472 A         yleided mechanical performance [hp]       -         • for 3-phase AC motor       -         - at 200/208 V rated value       200 hp         - at 200/208 V rated value       400 hp         - at 200/208 V rated value       500 hp         contact rating of auxiliary contacts according to UL       A600 / 0600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 630 A (690 V, 100 kA)         - with type of coordination 1 required       gG: 600 A (690 V, 100 kA), BS88: 500 A (415 V, 50 kA), BS88: 500 A (415 V,	• at 110 V rated value	
• 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       477 A         • at 480 V rated value       477 A         • at 600 V rated value       477 A         • at 600 V rated value       472 A         yleided mechanical performance [hp]	<ul> <li>at 125 V rated value</li> </ul>	0.9 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         4           • at 4800 V rated value         477 A           • at 600 V rated value         472 A           yielded mechanical performance [hp]         6           • for 3-phase AC motor         150 hp           - at 220/208 V rated value         200 hp           - at 220/230 V rated value         500 hp           - at 200/208 V rated value         500 hp           - at 460/480 V rated value         500 hp           contact rating of auxiliary contacts according to UL         A600 / Q600           Short-circuit protection         1 faulty switching gG: 500 A (690 V, 100 kA)           design of the fuse link         9G: 500 A (690 V, 100 kA)           • for short-circuit protection of the main circuit         gG: 500 A (690 V, 100 kA)           • for short-circuit protection of the auxiliary switch required         gG: 500 A (690 V, 100 kA)           • for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 kA)           • for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 kA)           fastening method         screw fixing           • ide-by-side mounting         Yes           h	<ul> <li>at 220 V rated value</li> </ul>	0.3 A
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       477 A         • at 600 V rated value       472 A         yielded mechanical performance [hp]       • for 3-phase AC motor         - at 220/230 V rated value       150 hp         - at 220/230 V rated value       200 hp         - at 460/480 V rated value       500 hp         - at 575/600 V rated value       500 hp         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       - with type of coordination 1 required         - with type of coordination 1 required       gG: 630 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         resting method       surface +/- 22.5" littable to the front and back         screw fixing       Yes         height       214 mm         width       160 mm         deth       225 mm         required spacing       • with side-by-side mounting         • hight       214 mm         • width       160 mm         - upwards       20 mm	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor       477 A         • at 480 V rated value       477 A         • at 600 V rated value       472 A         yielded mechanical performance [hp]       472 A         • at 200/208 V rated value       150 hp         - at 220/230 V rated value       200 hp         - at 460/480 V rated value       400 hp         - at 575/600 V rated value       500 hp         - at 575/600 V rated value       500 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       400 hp         e for short-circuit protection of the main circuit		1 faulty switching per 100 million (17 V, 1 mA)
• at 480 V rated value         477 Å           • at 600 V rated value         472 Å           • at 600 V rated value         472 Å           yielded mechanical performance [hp]         6 or 3-phase ÅC motor           - at 200/208 V rated value         150 hp           - at 220/230 V rated value         200 hp           - at 460/480 V rated value         500 hp           - at 4575/600 V rated value         500 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: 630 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)           • for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 kA)           • for short-circuit protection of the auxiliary switch required         gG: 630 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)           • for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 kA)           • attabel mounting / dimensions         screw fixing           • idstallation/ mounting / dimensions         screw fixing           • side-by-side mounting         Yes           height         220 mm     <	UL/CSA ratings	
• at 600 V rated value472 Ayielded mechanical performance [hp]-• for 3-phase AC motor150 hp- at 200/208 V rated value200 hp- at 220/230 V rated value200 hp- at 660/480 V rated value500 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit with type of coordination 1 requiredgG: 630 A (690 V, 100 kA)• with type of assignment 2 requiredgG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)• with type of assignment 2 requiredwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, wit	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]         • for 3-phase AC motor         - at 200/208 V rated value         - at 220230 V rated value         200 hp         - at 450/480 V rated value         400 hp         - at 575/600 V rated value         500 hp         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         - with type of coordination 1 required         - with type of assignment 2 required         v for short-circuit protection of the auxiliary switch required         required         - with type of assignment 2 required         y for k100 kA), all: 500 A (690 V, 100 kA), all: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required         required         - with type of assignment 2 required         y for k100 kA), all: 500 A (690 V, 100 kA), all: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required         g G: 500 A (500 V, 1 kA)         e for short-circuit protection of the auxiliary switch required         y side-by-side mounting         + 22.5" tiltable to the front and back <td><ul> <li>at 480 V rated value</li> </ul></td> <td>477 A</td>	<ul> <li>at 480 V rated value</li> </ul>	477 A
<ul> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>150 hp</li> <li>at 220/230 V rated value</li> <li>200 hp</li> <li>at 460/480 V rated value</li> <li>400 hp</li> <li>at 575/600 V rated value</li> <li>500 hp</li> </ul> </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></ul></li></ul>		472 A
- at 200/208 V rated value       150 hp         - at 220/230 V rated value       200 hp         - at 460/480 V rated value       400 hp         - at 575/600 V rated value       500 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4600 / Q600         design of the fuse link       •         • for short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 630 A (690 V, 100 kA)         - with type of assignment 2 required       gG: 500 A (690 V, 100 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 10 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 10 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         • for short-circuit protection       gG: 500 A (690 V, 100 kA)         • iside-by-side mounting       Yes         height       214 mm         with side-by-side mounting       225 mm         • with side-by-side mounting       0 mm		
	•	
at 575/600 V rated value       500 hp         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       gG: 630 A (690 V, 100 kA)         with type of coordination 1 required       gG: 500 A (690 V, 100 kA)         with type of assignment 2 required       gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         required spacing       0 mm         • with side-by-side mounting       20 mm         growards       10 mm         downwards       10 mm         at the side       0 mm		
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       gG: 630 A (690 V, 100 kA)         — with type of coordination 1 required       gG: 500 A (690 V, 100 kA)         — with type of assignment 2 required       gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         - upwards       10 mm         - downwards		
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         • for short-circuit protection of the auxiliary switch required         • for short-circuit protection of the auxiliary switch required         • for short-circuit protection of the auxiliary switch required         • for short-circuit protection of the auxiliary switch required         mounting position         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         • with side-by-side mounting       225 mm         • with side-by-side mounting       0 mm         - downwards       10 mm         - at the side       0 mm		
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>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)</li> </ul> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back</li> <li>fastening method</li> <li>side-by-side mounting</li> <li>eiside-by-side mounting</li> <li>Yes</li> <li>height</li> <li>214 mm</li> <li>width</li> <li>160 mm</li> <li>depth</li> <li>225 mm</li> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>0 mm</li> <li>downwards</li> <li>mm</li> <li< td=""><td></td><td>A600 / Q600</td></li<>		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 required</li> <li>fastening mounting / dimensions</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing</li> <li>side-by-side mounting</li> <li>side-by-side mounting</li> <li>Yes</li> </ul> </li> <li>height</li> <li>214 mm</li> <li>width</li> <li>depth</li> <li>225 mm</li> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>mwards</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li>downwards</li> <li>mm</li> </ul>		
with type of coordination 1 required       gG: 630 A (690 V, 100 kA)         with type of assignment 2 required       gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       gG: 10 A (500 V, 1 kA)         mounting position       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         required spacing       0 mm         - forwards       20 mm         - upwards       10 mm         - downwards       0 mm	-	
with type of assignment 2 required       gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       with vertical mounting surface +/-90° rotatable, with vertical mounting + eside         height       214 mm         width       160 mm         depth       225 mm         • with side-by-side mounting       20 mm         - upwards       10 mm         - upwards       0 mm         - at the side       0 mm <td></td> <td></td>		
• for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         required spacing       • with side-by-side mounting         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - a the side       0 mm		
• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionsmounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing20 mm• with side-by-side mounting20 mm- forwards20 mm- downwards10 mm- a the side0 mm	— with type of assignment 2 required	
mounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing - forwards20 mm- forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm		
surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing225 mm• with side-by-side mounting20 mm- forwards20 mm- downwards10 mm- at the side0 mm	Installation/ mounting/ dimensions	
• side-by-side mountingYesheight214 mmwidth160 mmdepth225 mmrequired spacing225 mm• with side-by-side mounting20 mm- forwards20 mm- upwards10 mm- downwards0 mm- at the side0 mm	mounting position	
height214 mmwidth160 mmdepth225 mmrequired spacing225 mm• with side-by-side mounting20 mm— forwards20 mm— upwards10 mm— downwards10 mm— at the side0 mm	fastening method	screw fixing
width       160 mm         depth       225 mm         required spacing       225 mm         • with side-by-side mounting       -         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm	<ul> <li>side-by-side mounting</li> </ul>	Yes
depth225 mmrequired spacing225 mm• with side-by-side mounting forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm	height	214 mm
required spacing       • with side-by-side mounting       forwards       20 mm       upwards       10 mm       downwards       10 mm       at the side     0 mm		160 mm
<ul> <li>with side-by-side mounting         <ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>mm</li> <li>at the side</li> <li>mm</li> </ul> </li> </ul>	•	225 mm
forwards     20 mm       upwards     10 mm       downwards     10 mm       at the side     0 mm		
— upwards10 mm— downwards10 mm— at the side0 mm		
— downwards     10 mm       — at the side     0 mm		
— at the side 0 mm	•	
for grounded parts		0 mm
	<ul> <li>for grounded parts</li> </ul>	

— forwards	20 mm			
— upwards	10 mm			
— at the side	10 mm			
— downwards	10 mm			
<ul> <li>for live parts</li> </ul>				
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	10 mm			
Connections/ Terminals				
type of electrical connection				
<ul> <li>for main current circuit</li> </ul>	Connection bar			
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals			
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals			
of magnet coil	Screw-type terminals			
width of connection bar	25 mm			
thickness of connection bar	6 mm			
diameter of holes	11 mm			
number of holes	1			
type of connectable conductor cross-sections				
<ul> <li>at AWG cables for main contacts</li> </ul>	2/0 500 kcmil			
connectable conductor cross-section for main				
contacts				
• stranded	70 240 mm²			
connectable conductor cross-section for auxiliary contacts				
solid or stranded	0.5 4 mm²			
	0.5 2.5 mm <sup>2</sup>			
finely stranded with core end processing	0.5 2.5 mm			
type of connectable conductor cross-sections				
<ul> <li>for auxiliary contacts</li> </ul>	$2x (0.5 + 1.5 mm^2) 2x (0.7)$	$= 2 E mm^2 may 2y$	$(0.75 (1.20)^2)$	
— solid	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75			
— solid or stranded	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> )			
— finely stranded with core end processing	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )			
at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross	2x (20 16), 2x (18 14),	IX IZ		
section				
for auxiliary contacts	18 14			
Safety related data				
product function				
mirror contact according to IEC 60947-4-1	Yes			
<ul> <li>positively driven operation according to IEC 60947-</li> </ul>	No			
5-1				
B10 value with high demand rate according to SN 31920	1 000 000			
protection class IP on the front according to IEC	IP00; IP20 with box terminal	l/cover		
60529				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover			
suitability for use				
<ul> <li>safety-related switching OFF</li> </ul>	Yes			
Certificates/ approvals				
			Functional	
General Product Approval		EMC	Safety/Safety of	
			Machinery	
Confirmation		~	Tuno Examination	
	יחר	kλ	<u>Type Examination</u> <u>Certificate</u>	
	101	<u></u>		
CSA UL	<b>B11B</b>	RCM		
Declaration of Conformity Test Certifica				
	ates	Marine / Shipping		
	ates	Marine / Shipping		

UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloydis Register urs
Marine / Shipping			other		
PRS	RMRS	DNV-GL	<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Confirmation</u>
other	Railway				
<u>Miscellaneous</u>	<u>Special Test Certific</u> <u>ate</u>	2			
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=3RT1076-6AU36					
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6AU36					
https://support.indus	Service&Support (Manuals, Certificates, Characteristics, FAQs,) <u>https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AU36</u> Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)				
http://www.automatic	on.siemens.com/bilddl	b/cax_de.aspx?mlfb=3RT	1076-6AU36⟨=en		, ioo, iii)
		, I <sup>2</sup> t, Let-through current			

 https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AU36/char

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

 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6AU36&objecttype=14&gridview=view1

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