## **SIEMENS**

## Data sheet

## 3RT1065-6PF35



Power contactor, AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC operation 96-127 V UC Auxiliary contacts 1 NO + 1 NC 3-pole, Size S10 Busbar connections Drive: electronic with PLC / SIMOCODE interface and RLT signal

Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT1
General technical data	
Size of contactor	S10
Product extension	
<ul> <li>function module for communication</li> </ul>	No
Auxiliary switch	Yes
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 acc. to EN	690 V
60947-1	
Protection class IP	
• on the front	IP00; IP20 on the front with cover / box terminal
• of the terminal	IP00

Charle registered at restance last incruises	
Shock resistance at rectangular impulse	8 Eq. / E.mo. 4.2q. / 10 mc
• 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 electronics- compatible 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 acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	К
Reference code acc. to DIN EN 81346-2	Q
Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m
Ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during storage</li> </ul>	-55 +80 °C
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>	1 000 V
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	330 A
• at AC-1	
up to $600 \text{ V}$ at ambient temperature $40 ^{\circ}\text{C}$	330 A
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	
	300 A
rated value — up to 690 V at ambient temperature 60 °C	
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C	300 A
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C	300 A 150 A
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value	300 A 150 A 150 A
<ul> <li>rated value</li> <li>up to 690 V at ambient temperature 60 °C rated value</li> <li>up to 1000 V at ambient temperature 40 °C rated value</li> <li>up to 1000 V at ambient temperature 60 °C rated value</li> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> </ul>	300 A 150 A 150 A
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value	300 A 150 A 150 A 265 A

at 100 V rated value         95 A           • at AC-4 at 400 V rated value         230 A           Connectable conductor cross-section in main drout at AC-1         165 mm²           • at 60 °C minimum permissible         165 mm²           • at 60 °C minimum permissible         165 mm²           • at 40 °C minimum permissible         165 mm²           • at 40 °C minimum permissible         105 A           Operating current for approx. 20000 operating cycles at AC-1         177 A           • at 400 V rated value         105 A           Operating current         105 A           • at 400 V rated value         300 A           - at 24 V rated value         300 A           - at 24 V rated value         0.9 A           - at 240 V rated value         0.0 A           - at 240 V rated value         0.0 A           - at 240 V rated value         300 A           - at 240 V rated value <th>— at 690 V rated value</th> <th>265 A</th>	— at 690 V rated value	265 A
Labor Action Action     Antiperspective       e at AC 4 at 400 V rated value     230 A       Connectable conductor cross-section in main dircuit at AC-1     185 mm²       • at 60 °C minimum permissible     185 mm²       • at 40 °C minimum permissible     185 mm²       • at 40 °C minimum permissible     117 A       • at 40 °C minimum permissible     105 A       Operating current     105 A       • at 40 °C rated value     300 A       - at 10 V rated value     300 A       - at 110 V rated value     38 A       - at 440 V rated value     0.6 A       • with 2 current path is in series at DC-1		
Connectable conductor cross-section in main circuit at AC-1If 56 mm²• at 60 °C minimum permissible185 mm²Operating current for approx. 200000 operating cycles at AC-4117 A• at 60 V rated value105 AOperating current at a DC-1		
• at 40 °C minimum permissible         185 mm³           Operating current for approx. 20000 operating cycles at AC4         17 A           • at 600 V rated value         105 A           Operating current for approx. 20000 operating cycles at AC4         105 A           • at 600 V rated value         105 A           Operating current for approx. 20000 operating current path at DC-1         -           - at 24 V rated value         300 A           - at 10 V rated value         0.9 A           - at 220 V rated value         0.9 A           - at 240 V rated value         0.9 A           - at 240 V rated value         0.9 A           - at 240 V rated value         300 A           - at 240 V rated value         0.9 A           - at 240 V rated value         300 A           - at 240 V rated value         300 A           - at 24 V rated value         300 A           - at 24 V rated value         300 A           - at 24 V rated value         300 A           - at 240 V rated value         300 A           - at 110 V rated value         300 A           - at 240 V rated va		
at 40 °C minimu permissible         185 mm²           Operating current for approx. 20000 operating opties at AC-4         117 A           • at 40 V rated value         105 A           Operating current of a tab CD-1         105 A           • at 100 V rated value         300 A           - at 110 V rated value         33 A           - at 120 V rated value         38 A           - at 100 V rated value         0.9 A           - at 400 V rated value         0.6 A           • with 2 current paths in series at DC-1	at AC-1	
Operating current for approx. 20000 operating cycles at AC-4         117 A           • at 400 V rated value         105 A           Operating current         105 A           • at 1 current path at DC-1	• at 60 °C minimum permissible	185 mm²
oycles at AC-4         Intervention           • at 400 V rated value         117 A           • at 690 V rated value         105 A           Operating current	• at 40 °C minimum permissible	185 mm²
at 600 V rated value         105 A           Operating current         -           • at 1 current path at DC-1         -           - at 24 V rated value         300 A           - at 24 V rated value         33 A           - at 220 V rated value         0.9 A           - at 440 V rated value         0.6 A           - at 440 V rated value         0.6 A           • with 2 current paths in series at DC-1         -           - at 24 V rated value         300 A           - at 440 V rated value         300 A           - at 600 V rated value         2 A           - at 600 V rated value         300 A           - at 440 V rated value         300 A           - at 400 V rated value         300 A           - at 220 V rated value         300 A           - at 600 V rated value         300 A           - at 220 V rated value         300 A </td <td></td> <td></td>		
Operating current         Image: space s	• at 400 V rated value	117 A
• at 1 current path at DC-1       300 A         - at 24 V rated value       33 A         - at 220 V rated value       33 A         - at 220 V rated value       38 A         - at 440 V rated value       0.9 A         - at 600 V rated value       0.6 A         • with 2 current paths in series at DC-1       300 A         - at 24 V rated value       300 A         - at 220 V rated value       300 A         - at 220 V rated value       300 A         - at 440 V rated value       300 A         - at 24 V rated value       300 A         - at 440 V rated value       300 A         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 440 V rated value       04 A         - at 600 V rated value       04 A	• at 690 V rated value	105 A
- at 24 V rated value         300 Å           - at 110 V rated value         33 Å           - at 220 V rated value         3.8 Å           - at 440 V rated value         0.9 Å           - at 600 V rated value         0.6 Å           • with 2 current paths in series at DC-1         -           - at 24 V rated value         300 Å           - at 110 V rated value         300 Å           - at 220 V rated value         300 Å           - at 440 V rated value         300 Å           - at 24 V rated value         300 Å           - at 24 V rated value         300 Å           - at 220 V rated value         300 Å           - at 440 V rated value         300 Å           - at 420 V rated value         300 Å           - at 440 V rated value         0.6 Å<	Operating current	
- 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           • with 2 current paths in series at DC-1         -           - at 24 V rated value         300 A           - at 110 V rated value         300 A           - at 110 V rated value         300 A           - at 220 V rated value         300 A           - at 440 V rated value         300 A           - at 24 V rated value         300 A           - at 440 V rated value         300 A           - at 24 V rated value         300 A           - at 24 V rated value         300 A           - at 24 V rated value         300 A           - at 440 V rated value         3A           - at 24 V rated value         3A           - at 24 V rated value         0.6 A <td><ul> <li>at 1 current path at DC-1</li> </ul></td> <td></td>	<ul> <li>at 1 current path at DC-1</li> </ul>	
<ul> <li>at 220 V rated value</li> <li>at 240 V rated value</li> <li>9 A</li> <li>at 440 V rated value</li> <li>0.6 A</li> <li>with 2 current paths in series at DC-1</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 240 V rated value</li> <li>300 A</li> <li>at 240 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 410 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 10 v rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A<td>— at 24 V rated value</td><td>300 A</td></li></ul>	— at 24 V rated value	300 A
- at 440 V rated value0.9 A- at 600 V rated value0.6 A• with 2 current paths in series at DC-1- at 24 V rated value- at 24 V rated value300 A- at 210 V rated value300 A- at 440 V rated value300 A- at 440 V rated value2 A- at 600 V rated value300 A- at 440 V rated value2 A- at 600 V rated value300 A- at 220 V rated value300 A- at 440 V rated value300 A- at 24 V rated value300 A- at 210 V rated value300 A- at 220 V rated value300 A- at 440 V rated value300 A- at 220 V rated value300 A- at 440 V rated value300 A- at	— at 110 V rated value	33 A
<ul> <li>at 600 V rated value</li> <li>at 60 V rated value</li> <li>at 2 V rated value</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>4 A</li> <li>at 600 V rated value</li> <li>2 A</li> <li>with 3 current paths in series at DC-1</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 10 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 410 V rated value</li> <li>300 A</li> <li>at 410 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated valu</li></ul>	— at 220 V rated value	3.8 A
<ul> <li>with 2 current paths in series at DC-1</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 20 V rated value</li> <li>at 24 V rated value</li> <li>at 20 V rated value</li> <li>300 A</li> <li>at 210 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 20 V rated value</li> <li>300 A</li> <li>at 20 V rated value</li> <li>300 A</li> <li>at 20 V rated value</li> <li>5.2 A</li> </ul> Operating current <ul> <li>at 10 Urrent path at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 210 V rated value</li> <li>300 A</li> <li>at 210 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 210 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 22</li></ul>	— at 440 V rated value	0.9 A
- at 24 V rated value       300 A         - at 110 V rated value       300 A         - at 220 V rated value       300 A         - at 440 V rated value       2 A         - at 600 V rated value       300 A         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 210 V rated value       300 A         - at 220 V rated value       300 A         - at 220 V rated value       300 A         - at 440 V rated value       300 A         - at 440 V rated value       300 A         - at 20 V rated value       300 A         - at 400 V rated value       300 A         - at 600 V rated value       5.2 A         Operating current       -         • at 1 current path at DC-3 at DC-5       -         - at 24 V rated value       300 A         - at 24 V rated value       0.6 A         - at 240 V rated value       0.18 A         - at 600 V rated value       0.125 A         - with 2 current paths in series at DC-3 at DC-5       -         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 440 V rated value       1.125 A	— at 600 V rated value	0.6 A
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>A</li> <li>at 600 V rated value</li> <li>A</li> <li>at 600 V rated value</li> <li>Contrast value</li> <li>A</li> <li>at 24 V rated value</li> <li>A</li> <li>A</li></ul>	<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
a trace trace300 A- at 220 V rated value300 A- at 440 V rated value4 A- at 600 V rated value2 A• with 3 current paths in series at DC-1 at 24 V rated value300 A- at 110 V rated value300 A- at 220 V rated value300 A- at 440 V rated value300 A- at 440 V rated value300 A- at 600 V rated value300 A- at 600 V rated value5.2 AOperating current	— at 24 V rated value	300 A
<ul> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>2 A</li> <li>with 3 current paths in series at DC-1</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> <li>at 440 V rated value</li> <li>300 A</li> <li>at 600 V rated value</li> <li>300 A</li> <li>at 10 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>0.6 A</li> <li>at 440 V rated value</li> <li>0.18 A</li> <li>at 600 V rated value</li> <li>0.125 A</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 10 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>25 A</li> </ul>	— at 110 V rated value	300 A
at 600 V rated value2 A at 600 V rated value300 A at 24 V rated value300 A at 24 V rated value300 A at 220 V rated value300 A at 220 V rated value300 A at 440 V rated value11 A at 600 V rated value5.2 AOperating current at 24 V rated value300 A at 220 V rated value0.6 A at 440 V rated value0.18 A at 600 V rated value0.125 A with 2 current paths in series at DC-3 at DC-5	— at 220 V rated value	300 A
• with 3 current paths in series at DC-1300 A- at 24 V rated value300 A- at 110 V rated value300 A- at 220 V rated value300 A- at 440 V rated value11 A- at 600 V rated value5.2 AOperating current• at 1 current path at DC-3 at DC-5- at 24 V rated value300 A- at 24 V rated value300 A- at 24 V rated value300 A- at 220 V rated value0.6 A- at 440 V rated value0.18 A- at 600 V rated value0.125 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value300 A- at 24 V rated value0.125 A- at 24 V rated value300 A- at 24 V rated value300 A- at 24 V rated value300 A- at 24 V rated value0.125 A- at 24 V rated value300 A- at 220 V rated value300 A at 220 V rated value300 A at 220 V rated value300 A	— at 440 V rated value	4 A
- at 24 V rated value       300 A         - at 110 V rated value       300 A         - at 220 V rated value       300 A         - at 420 V rated value       300 A         - at 440 V rated value       11 A         - at 600 V rated value       5.2 A         Operating current         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 10 V rated value       300 A         - at 440 V rated value       300 A         - at 440 V rated value       0.6 A         - at 440 V rated value       0.18 A         - at 600 V rated value       0.125 A         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 24 V rated value       300 A         - at 24 V rated value       0.125 A         - at 24 V rated value       300 A         - at 20 V rated value       300 A         - at 210 V rated value       300 A	— at 600 V rated value	2 A
at 110 V rated value300 A- at 110 V rated value300 A- at 220 V rated value300 A- at 440 V rated value11 A- at 600 V rated value5.2 AOperating current300 A- at 1 current path at DC-3 at DC-5 at 24 V rated value300 A- at 110 V rated value300 A- at 20 V rated value0.6 A- at 440 V rated value0.18 A- at 600 V rated value0.125 A- at 24 V rated value300 A- at 24 V rated value300 A- at 24 V rated value0.125 A- at 24 V rated value300 A- at 220 V rated value300 A- at 220 V rated value300 A- at 220 V rated value300 A- at 24 V rated value300 A- at 220 V rated value300 A at 220 V rated value300 A	<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
- at 220 V rated value300 A- at 440 V rated value11 A- at 600 V rated value5.2 AOperating current	— at 24 V rated value	300 A
- at 440 V rated value11 A- at 600 V rated value5.2 AOperating current5.2 A• at 1 current path at DC-3 at DC-5300 A- at 24 V rated value300 A- at 24 V rated value0.6 A- at 220 V rated value0.18 A- at 600 V rated value0.125 A• with 2 current paths in series at DC-3 at DC-5300 A- at 24 V rated value0.125 A- at 24 V rated value300 A- at 24 V rated value300 A- at 24 V rated value0.125 A• with 2 current paths in series at DC-3 at DC-5300 A- at 24 V rated value300 A- at 20 V rated value300 A	— at 110 V rated value	300 A
- at 600 V rated value       5.2 A         Operating current       -         • at 1 current path at DC-3 at DC-5       -         - at 24 V rated value       300 A         - at 24 V rated value       3A         - at 110 V rated value       0.6 A         - at 440 V rated value       0.18 A         - at 600 V rated value       0.125 A         - at 600 V rated value       300 A         - at 24 V rated value       0.125 A	— at 220 V rated value	300 A
Operating current• at 1 current path at DC-3 at DC-5- at 24 V rated value- at 24 V rated value- at 110 V rated value3 A- at 220 V rated value0.6 A- at 440 V rated value0.18 A- at 600 V rated value0.125 A- at 24 V rated value- at 24 V rated value- at 24 V rated value- at 220 V rated value at 220 V rated value	— at 440 V rated value	11 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>0.6 A</li> <li>at 440 V rated value</li> <li>0.18 A</li> <li>at 600 V rated value</li> <li>0.125 A</li> </ul> • with 2 current paths in series at DC-3 at DC-5 <ul> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>300 A</li> </ul>	— at 600 V rated value	5.2 A
- at 24 V rated value300 A- at 24 V rated value3 A- at 110 V rated value0.6 A- at 220 V rated value0.18 A- at 600 V rated value0.125 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value300 A- at 110 V rated value300 A- at 220 V rated value300 A	Operating current	
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>0.18 A</li> <li>at 600 V rated value</li> <li>0.125 A</li> <li>• with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>2.5 A</li> </ul>	<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
<ul> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>0.18 A</li> <li>at 600 V rated value</li> <li>0.125 A</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 110 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>2.5 A</li> </ul>	— at 24 V rated value	300 A
- at 440 V rated value0.18 A- at 600 V rated value0.125 A• with 2 current paths in series at DC-3 at DC-5- at 24 V rated value- at 24 V rated value300 A- at 110 V rated value300 A- at 220 V rated value2.5 A	— at 110 V rated value	3 A
- at 600 V rated value0.125 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value300 A- at 110 V rated value300 A- at 220 V rated value2.5 A	— at 220 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>2.5 A</li> </ul>	— at 440 V rated value	0.18 A
at 24 V rated value300 A at 110 V rated value300 A at 220 V rated value2.5 A	— at 600 V rated value	0.125 A
at 110 V rated value300 A at 220 V rated value2.5 A	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
- at 220 V rated value 2.5 A	— at 24 V rated value	300 A
	— at 110 V rated value	300 A
- at 440 V rated value 0.65 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
Operating power	
• at AC-1	
— at 230 V at 60 °C rated value	113 kW
— at 400 V rated value	197 kW
— at 400 V at 60 °C rated value	197 kW
— at 690 V rated value	340 kW
— at 690 V at 60 °C rated value	340 kW
— at 1000 V at 60 °C rated value	246 kW
• at AC-2 at 400 V rated value	132 kW
• at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
Operating power for approx. 200000 operating cycles	
at AC-4	001111
• at 400 V rated value	66 kW
• at 690 V rated value	102 kW
Thermal short-time current limited to 10 s	2 400 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	18 W
No-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
Operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	700 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage	AC/DC
Control supply voltage at AC	
● at 50 Hz rated value	96 127 V

• at 60 Hz rated value	96 127 V
Control supply voltage at DC	
rated value	96 127 V
Type of PLC-control input acc. to IEC 60947-1	Туре 1
Consumed current at PLC-control input acc. to IEC	20 mA
60947-1 maximum	
Operating range factor control supply voltage rated	
value of magnet coil at DC	
• initial value	0.8
Full-scale value	1.1
Operating range factor control supply voltage rated value of magnet coil at AC	
● 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	
• at 50 Hz	530 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.8
Apparent holding power of magnet coil at AC	
● at 50 Hz	5 V·A
Inductive power factor with the holding power of the coil	
• at 50 Hz	0.5
Closing power of magnet coil at DC	580 W
Holding power of magnet coil at DC	3.4 W
Closing delay	
• at AC	45 80 ms
• at DC	45 80 ms
Opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
Arcing time	10 15 ms
Control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	1
Number of NO contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	1
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A

<b>.</b>	mounting surface +/- 22.5° tiltable to the front and back
Mounting position	with vertical mounting surface +/-90° rotatable, with vertical
Installation/ mounting/ dimensions	
required	
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 10 A (500 V, 1 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)
— with type of coordination 1 required	gG: 500 A (690 V, 100 kA)
• for short-circuit protection of the main circuit	
Design of the fuse link	
Short-circuit protection	
- at 575/600 V rated value Contact rating of auxiliary contacts according to UL	A600 / Q600
- at 460/480 V rated value	250 hp
	200 hp
— at 220/230 V rated value	100 hp
- at 200/208 V rated value	75 hp
<ul> <li>for three-phase AC motor</li> </ul>	
Yielded mechanical performance [hp]	
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul>	240 A 242 A
at 480 V rated value	240 A
UL/CSA ratings Full-load current (FLA) for three-phase AC motor	
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
at 220 V rated value     at 600 V rated value	0.1 A
at 125 V rated value     at 220 V rated value	0.3 A
at 125 V rated value	0.9 A
at 110 V rated value	1 A
• at 60 V rated value	2 A
• at 48 V rated value	2 A
• at 24 V rated value	10 A
Operating current at DC-13	
at 220 V rated value	0.15 A
at 125 V rated value     at 220 V rated value	1A
at 125 V rated value	2 A
at 110 V rated value	3 A
• at 60 V rated value	6 A
• at 48 V rated value	6 A
• at 24 V rated value	10 A
Operating current at DC-12	
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul>	1 A
• at EOO V/ rated value	2 A

Mounting type	screw fixing
<ul> <li>Side-by-side mounting</li> </ul>	Yes
Height	210 mm
Width	165 mm
Depth	202 mm
Required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— 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 current circuit</li> </ul>	screw-type terminals
Type of connectable conductor cross-sections	

Type of connectable conductor cross-sections	
<ul> <li>at AWG conductors 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	
<ul> <li>single or multi-stranded</li> </ul>	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
Type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross	
section	

•	for	auxiliary	contacts
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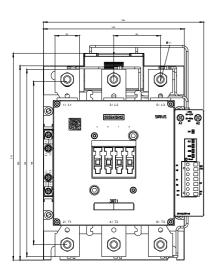
18 ... 14

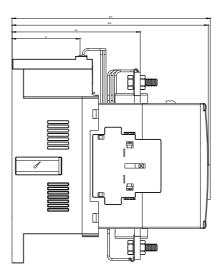
Safety related data	
B10 value	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	1 000 000
Product function	
<ul> <li>Mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation acc. to IEC 60947-5-</li> </ul>	No
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529
Certificates/approvals	

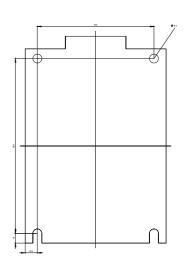
General Produc	t Approval			Functional Safety/Safety of Machinery	Declaration o Conformity
	CSA		EHC	Type Examination Certificate	EG-Konf.
Test Certificates	;	Marine / Shi	pping		other
Type Test Certific-	Special Test Certi- ficate	CAN BURK		Ster ROVED MOOL	Confirmation

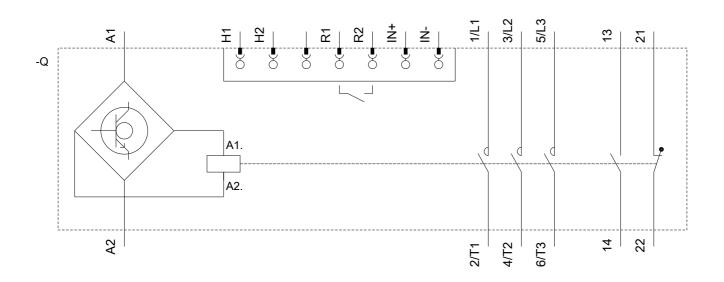
other	
Miscellaneous	

Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3R <sup>-</sup>	T1065-6PF35
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lan	g=en&mlfb=3RT1065-6PF35
Service&Support (Manuals, Certificates, Characteristics, FAQs, https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6PF35	)
Image database (product images, 2D dimension drawings, 3D r http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT106	
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6PF35/cha	r









last modified:

12/22/2018