## SIEMENS

## Data sheet

## 3RT1065-6AP36



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

| 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                        |
| power loss [W] for rated value of the current   |                            |
| <ul> <li>at AC in hot operating state</li> </ul>  | 54 W                       |
| <ul> <li>at AC in hot operating state per pole</li> </ul>   | 18 W                       |
| <ul> <li>without load current share typical</li> </ul>  | 7.4 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 protective separation between<br>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 (operating cycles)  |                            |
| <ul> <li>of contactor typical</li> </ul>  | 10 000 000                 |
| <ul> <li>of the contactor with added electronically optimized<br/>auxiliary switch block typical</li> </ul>     | 5 000 000                  |
| of the contactor with added auxiliary switch block typical  | 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                 |
| during storage  | -55 +80 °C                 |
| relative humidity minimum   | 10 %                       |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum  | 95 %                       |

| number of poles for main current circuit       3         number of NO contacts for main contacts       3         operating voltage       1000 V         • at AC-3 rated value maximum       1000 V         • at AC-3e rated value maximum       1000 V         operational current       330 A         • at AC-1 at 400 V at ambient temperature 40 °C rated value       330 A         • at AC-1       330 A         — up to 690 V at ambient temperature 40 °C rated value       330 A         — up to 690 V at ambient temperature 60 °C rated value       300 A         — up to 1000 V at ambient temperature 40 °C rated value       300 A         — up to 1000 V at ambient temperature 40 °C rated value       300 A         — up to 1000 V at ambient temperature 40 °C rated value       300 A         — up to 1000 V at ambient temperature 40 °C rated value       150 A |  |
|--|--|
| number of NO contacts for main contacts3operating voltage1000 V• at AC-3 rated value maximum1000 V• at AC-3e rated value maximum1000 Voperational current330 A• at AC-1 at 400 V at ambient temperature 40 °C rated value330 A• at AC-1- up to 690 V at ambient temperature 40 °C rated value- up to 690 V at ambient temperature 60 °C rated value300 A- up to 1000 V at ambient temperature 40 °C rated value300 A   |  |
| <ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>1 000 V</li> <li>operational current         <ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> <li>up to 690 V at ambient temperature 40 °C rated value</li> <li>up to 690 V at ambient temperature 60 °C rated value</li> <li>up to 690 V at ambient temperature 60 °C 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>150 A</li> </ul> </li> </ul>  |  |
| • at AC-3e rated value maximum1 000 Voperational current330 A• at AC-1 at 400 V at ambient temperature 40 °C rated value330 A• at AC-1- up to 690 V at ambient temperature 40 °C rated value330 A- up to 690 V at ambient temperature 60 °C rated value300 A- up to 690 V at ambient temperature 60 °C rated value150 A  |  |
| operational current <ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> <li>up to 690 V at ambient temperature 40 °C rated value</li> <li>up to 690 V at ambient temperature 60 °C 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 40 °C rated value</li> </ul>   |  |
| <ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1         <ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> <li>up to 690 V at ambient temperature 60 °C 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>to 1000 V at ambient temperature 40 °C rated value</li> </ul> </li> </ul>  |  |
| value       • at AC-1         - up to 690 V at ambient temperature 40 °C rated value       330 A         - up to 690 V at ambient temperature 60 °C rated value       300 A         - up to 1000 V at ambient temperature 40 °C rated value       300 A  |  |
| <ul> <li>up to 690 V at ambient temperature 40 °C 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> </ul>  |  |
| value<br>  |  |
| value<br>— up to 1000 V at ambient temperature 40 °C rated 150 A<br>value  |  |
| value  |  |
| — up to 1000 V at ambient temperature 60 °C rated 150 A  |  |
| value  |  |
| • at AC-3  |  |
| - at 400 V rated value 265 A   |  |
| - at 500 V rated value 265 A   |  |
| - at 690 V rated value 265 A   |  |
| - at 1000 V rated value 95 A   |  |
| • at AC-3e   |  |
| - at 400 V rated value 265 A   |  |
| - at 500 V rated value 265 A   |  |
| - at 690 V rated value 265 A   |  |
| - at 1000 V rated value 95 A   |  |
| • at AC-4 at 400 V rated value 230 A   |  |
| • at AC-5a up to 690 V rated value 290 A   |  |
| • at AC-5b up to 400 V rated value 219 A   |  |
| • at AC-6a   |  |
| — up to 230 V for current peak value n=20 rated value 265 A  |  |
| — up to 400 V for current peak value n=20 rated value 265 A  |  |
| — up to 500 V for current peak value n=20 rated value 265 A  |  |
| — up to 690 V for current peak value n=20 rated value 265 A  |  |
| — up to 1000 V for current peak value n=20 rated 95 A value  |  |
| • at AC-6a   |  |
| — up to 230 V for current peak value n=30 rated value 184 A  |  |
| — up to 400 V for current peak value n=30 rated value 184 A  |  |
| — up to 500 V for current peak value n=30 rated value 184 A  |  |
| — up to 690 V for current peak value n=30 rated value 184 A  |  |
| — up to 1000 V for current peak value n=30 rated 95 A value  |  |
| minimum cross-section in main circuit at maximum AC-1 rated     185 mm²  |  |
| operational current for approx. 200000 operating cycles at<br>AC-4   |  |
| • at 400 V rated value 117 A   |  |
| at 690 V rated value     105 A   |  |
| operational current  |  |
| at 1 current path at DC-1  |  |
| — at 24 V rated value 300 A  |  |
| — at 60 V rated value 300 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   |  |
| with 2 current paths in series at DC-1   |  |
| - at 24 V rated value 300 A  |  |
| - at 60 V rated value 300 A  |  |
| - at 110 V rated value 300 A   |  |

| — at 220 V rated value  | 300 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   | 300 A                    |
| — at 60 V rated value   | 300 A                    |
| — at 110 V rated value  | 300 A                    |
| — at 220 V rated value  | 300 A                    |
| — at 440 V rated value  | 11 A                     |
| — at 600 V rated value  | 5.2 A                    |
| <ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>   |                          |
| — at 24 V rated value   | 300 A                    |
| — at 60 V rated value   | 11 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   | 300 A                    |
| — at 60 V rated value   | 300 A                    |
| — at 110 V rated value  | 300 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 60 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-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                   |
| • at AC-3e  |                          |
| — 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   | ee kin                   |
| <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul>  | 66 kW<br>102 kW          |
| • at 690 V fated value<br>operating apparent power at AC-6a   |                          |
| • up to 230 V for current peak value n=20 rated value   | 100 000 kVA              |
| up to 200 V for current peak value n=20 rated value   | 180 000 VA               |
| up to 500 V for current peak value n=20 rated value   | 220 000 VA               |
| up to 500 V for current peak value n=20 rated value   | 310 000 VA               |
| up to 1000 V for current peak value n=20 rated value  | 160 000 VA               |
| • up to 1000 v for current peak value 1-20 rated value  |                          |
| • up to 230 V for current peak value n=30 rated value   | 70 000 VA                |
| up to 200 V for current peak value n=30 rated value   | 120 000 VA               |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> </ul>  | 150 000 VA               |
| - up to 500 v for cutterit peak value II-50 lateu value   | 100 000 17               |
| • up to 690 V for current neak value n=30 rated value   | 220 000 VA               |
| <ul> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> </ul> | 220 000 VA<br>160 000 VA |

| 40 °C   |  |  |  |
|---|--|--|--|
| <ul> <li>limited to 1 s switching at zero current maximum</li> </ul>              | 4 880 A; Use minimum cross-section acc. to AC-1 rated value  |  |  |
| <ul> <li>limited to 5 s switching at zero current maximum</li> </ul>              | 4 045 A; Use minimum cross-section acc. to AC-1 rated value  |  |  |
| <ul> <li>limited to 10 s switching at zero current maximum</li> </ul>             | 2 785 A; Use minimum cross-section acc. to AC-1 rated value  |  |  |
| <ul> <li>limited to 30 s switching at zero current maximum</li> </ul>             | 1 664 A; Use minimum cross-section acc. to AC-1 rated value  |  |  |
| <ul> <li>limited to 60 s switching at zero current maximum</li> </ul>             | 1 664 A; Use minimum cross-section acc. to AC-1 rated value<br>1 276 A; Use minimum cross-section acc. to AC-1 rated value |  |  |
| no-load switching frequency   |  |  |  |
| • at AC   | 2 000 1/h  |  |  |
| • at DC   | 2 000 1/h  |  |  |
| operating frequency   |  |  |  |
| • at AC-1 maximum   | 800 1/h  |  |  |
| • at AC-2 maximum   | 250 1/h  |  |  |
| • at AC-2 maximum   | 500 1/h  |  |  |
| • at AC-3e maximum  | 500 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  | 200 04014  |  |  |
| • at 50 Hz rated value  | 220 240 V  |  |  |
| at 60 Hz rated value  | 220 240 V  |  |  |
| control supply voltage at DC  | 000 04014  |  |  |
| rated value   | 220 240 V  |  |  |
| operating range factor control supply voltage rated value of<br>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  | 590 VA   |  |  |
| • at 60 Hz  | 590 VA   |  |  |
| inductive power factor with closing power of the coil                             |  |  |  |
| • at 50 Hz  | 0.9  |  |  |
| ● at 60 Hz  | 0.9  |  |  |
| apparent holding power of magnet coil at AC                                       |  |  |  |
| • at 50 Hz  | 6.7 VA   |  |  |
| • at 60 Hz  | 6.7 VA   |  |  |
| inductive power factor with the holding power of the coil                         |  |  |  |
| • at 50 Hz  | 0.9  |  |  |
| • at 60 Hz  | 0.9  |  |  |
| closing power of magnet coil at DC  | 650 W  |  |  |
| holding power of magnet coil at DC  | 7.4 W  |  |  |
| closing delay   |  |  |  |
| • at AC   | 30 95 ms   |  |  |
| • at DC   | 30 95 ms   |  |  |
| opening delay   |  |  |  |
| • at AC   | 40 80 ms   |  |  |
| • at DC   | 40 80 ms   |  |  |
| arcing time   | 10 15 ms   |  |  |
| control version of the switch operating mechanism                                 | Standard A1 - A2   |  |  |
| Auxiliary circuit   |  |  |  |
| number of NC contacts for auxiliary contacts instantaneous                        | 2  |  |  |
| contact   | -  |  |  |
| number of NO contacts for auxiliary contacts instantaneous                        | 2  |  |  |
| contact   | 40.4   |  |  |
| operational current at AC-12 maximum  | 10 A   |  |  |
| operational current at AC-15  |  |  |  |
| <ul> <li>at 230 V rated value</li> </ul>  | 6 A  |  |  |
| <ul> <li>at 400 V rated value</li> </ul>  | 3 A  |  |  |

| <ul> <li>at 500 V rated value</li> </ul>  | 2 A  |  |  |
|---|--|--|--|
| at 690 V rated value  | 1 A  |  |  |
| operational current at DC-12  |  |  |  |
| <ul> <li>at 24 V rated value</li> </ul>   | 10 A   |  |  |
| <ul> <li>at 48 V rated value</li> </ul>   | 6 A  |  |  |
| <ul> <li>at 60 V rated value</li> </ul>   | 6 A  |  |  |
| <ul> <li>at 110 V rated value</li> </ul>  | 3 A  |  |  |
| <ul> <li>at 125 V rated value</li> </ul>  | 2 A  |  |  |
| <ul> <li>at 220 V rated value</li> </ul>  | 1 A  |  |  |
| • at 600 V rated value  | 0.15 A   |  |  |
| operational current at DC-13  |  |  |  |
| at 24 V rated value   | 10 A   |  |  |
| • at 48 V rated value   | 2 A  |  |  |
| • at 60 V rated value   | 2 A  |  |  |
| <ul> <li>at 110 V rated value</li> </ul>  | 1 A  |  |  |
| <ul> <li>at 125 V rated value</li> </ul>  | 0.9 A  |  |  |
| at 220 V rated value  | 0.3 A  |  |  |
| at 600 V rated value  | 0.1 A  |  |  |
| contact reliability of auxiliary contacts   | 1 faulty switching per 100 million (17 V, 1 mA)  |  |  |
| UL/CSA ratings  |  |  |  |
| full-load current (FLA) for 3-phase AC motor  |  |  |  |
| at 480 V rated value  | 240 A  |  |  |
|   |  |  |  |
| at 600 V rated value  | 242 A  |  |  |
| yielded mechanical performance [hp]   |  |  |  |
| • for 3-phase AC motor  |  |  |  |
| — at 200/208 V rated value  | 75 hp  |  |  |
| — at 220/230 V rated value  | 100 hp   |  |  |
| — at 460/480 V rated value  | 200 hp   |  |  |
| — at 575/600 V rated value  | 250 hp   |  |  |
| contact rating of auxiliary contacts according to UL  | A600 / Q600  |  |  |
|   |  |  |  |
| Short-circuit protection  |  |  |  |
| Short-circuit protection design of the fuse link  |  |  |  |
|   |  |  |  |
| design of the fuse link   | gG: 500 A (690 V, 100 kA)  |  |  |
| <ul><li>design of the fuse link</li><li>for short-circuit protection of the main circuit</li></ul>  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50  |  |  |
| <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— 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)  |  |  |
| <ul> <li>design of the fuse link</li> <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> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50  |  |  |
| <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— 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)<br>kA)<br>gG: 10 A (500 V, 1 kA)   |  |  |
| <ul> <li>design of the fuse link</li> <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> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)  |  |  |
| <ul> <li>design of the fuse link         <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> </ul>  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface   |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position   | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back   |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing   |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing<br>Yes  |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height   | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing<br>Yes<br>210 mm  |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width   | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing<br>Yes<br>210 mm<br>145 mm  |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth   | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing<br>Yes<br>210 mm<br>145 mm  |  |  |
| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing  | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing<br>Yes<br>210 mm<br>145 mm  |  |  |
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| design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         — forwards         — upwards         — downwards         — at the side         • for grounded parts         — oownwards         — at the side         — downwards         — upwards         — downwards         — other side         — forwards         — upwards         — downwards         — at the side         — downwards         — at the side         — downwards   | gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA)<br>with vertical mounting surface +/-90° rotatable, with vertical mounting surface<br>+/- 22.5° tiltable to the front and back<br>screw fixing<br>Yes<br>210 mm<br>145 mm<br>202 mm<br>10 mm<br>0 mm<br>20 mm<br>10 mm   |  |  |
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| Connections/ Terminal   | s   |                           |                              |   |  |
|---|---|---------------------------|------------------------------|---|--|
| type of electrical con  |   |                           |                              |   |  |
| • for main current  |   |                           | Connection bar               |   |  |
|   |   |                           |                              |   |  |
| <ul> <li>for auxiliary and</li> <li>at contactor for a</li> </ul> |   |                           | screw-type terminals         |   |  |
| <ul> <li>at contactor for a</li> <li>of magnet coil</li> </ul>    | auxiliary contacts                              |                           | Screw-type terminals         |   |  |
| of magnet coil  |   |                           | Screw-type terminals         |   |  |
| width of connection k   |   |                           | 25 mm                        |   |  |
| thickness of connect  | ion bar   |                           | 6 mm                         |   |  |
| diameter of holes   |   |                           | 11 mm                        |   |  |
| number of holes   |   |                           | 1                            |   |  |
| connectable conduct   | or cross-section for main                       | contacts                  |                              |   |  |
| <ul> <li>stranded</li> </ul>                                      |   |                           | 70 240 mm²                   |   |  |
| connectable conduct   | or cross-section for auxi                       | iary contacts             |                              |   |  |
| <ul> <li>solid or stranded</li> </ul>                             | 1   |                           | 0.5 4 mm²                    |   |  |
| <ul> <li>finely stranded v</li> </ul>                             | vith core end processing                        |                           | 0.5 2.5 mm <sup>2</sup>      |   |  |
| type of connectable of  | onductor cross-sections                         |                           |                              |   |  |
| <ul> <li>for auxiliary cont</li> </ul>                            | acts  |                           |                              |   |  |
| — solid   |   |                           | 2x (0.5 1.5 mm²), 2x (0      | .75 2.5 mm²), max. 2x (0.75                 | 4 mm²)   |
| — solid or stra   | anded   |                           | 2x (0,5 1,5 mm²), 2x (0      | ,75 2,5 mm²), max. 2x (0,75                 | 4 mm²)   |
| — finely stran  | ded with core end process                       | ing                       | 2x (0.5 1.5 mm²), 2x (0      | .75 2.5 mm²)                                |  |
| <ul> <li>for AWG cables</li> </ul>                                | for auxiliary contacts                          |                           | 2x (20 16), 2x (18 14        | 4), 1x 12                                   |  |
|   | ed connectable conducto                         | r cross                   |                              |   |  |
| section   |   |                           |                              |   |  |
| <ul> <li>for auxiliary cont</li> </ul>                            | acts  |                           | 18 14                        |   |  |
| Safety related data   |   |                           |                              |   |  |
| product function  |   |                           |                              |   |  |
| <ul> <li>mirror contact ad</li> </ul>                             | ccording to IEC 60947-4-1                       |                           | Yes                          |   |  |
| <ul> <li>positively driven</li> </ul>                             | operation according to IEC                      | 60947-5-1                 | No                           |   |  |
| B10 value with high de  | mand rate according to SN                       | 31920                     | 1 000 000                    |   |  |
| T1 value for proof test 61508                                     | interval or service life acco                   | rding to IEC              | 20 a                         |   |  |
| protection class IP or  | n the front according to I                      | EC 60529                  | IP00; IP20 with box termin   | nal/cover                                   |  |
| touch protection on t   | he front according to IEC                       | 60529                     | finger-safe, for vertical co | ntact from the front with box te            | rminal/cover                                   |
| suitability for use   |   |                           |                              |   |  |
| <ul> <li>safety-related sv</li> </ul>                             | vitching OFF                                    |                           | Yes                          |   |  |
| Certificates/ approvals   | -   |                           |                              |   |  |
| General Product App   | roval   |                           |                              |   |  |
| Contrain Froduct App  |   |                           |                              |   |  |
|   | <u>Confirmation</u>                             |                           |                              | KC  | EHC  |
| EMC   | Functional<br>Safety/Safety of Ma-<br>chinery   | Declaration of            | Conformity                   | Test Certificates                           |  |
| RCM   | <u>Type Examination Cer-</u><br><u>tificate</u> | UK<br>CA                  | CE<br>EG-Konf.               | <u>Special Test Certific-</u><br><u>ate</u> | <u>Type Test Certific-</u><br>ates/Test Report |
| Test Certificates   | Marine / Shipping                               |                           |                              |   |  |
| <u>Miscellaneous</u>  | ABS   | Lloyd's<br>Register<br>us | PRS                          | KMRS  | DNV-GL   |
| other   |   |                           |                              | Railway                                     |  |
|   |   |                           |                              |   |  |
|   |   |                           |                              |   |  |

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| 0-  | nfirmatio |   |
|-----|-----------|---|
| 1.0 | ntirmatic | n |
|     |           |   |

**Miscellaneous** 

**Confirmation** 

Special Test Certificate

Environment

Environmental Confirmations

Further information

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

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

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

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

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1065-6AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36

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

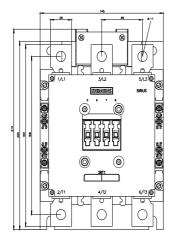
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1065-6AP36&lang=en

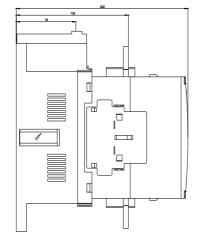
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

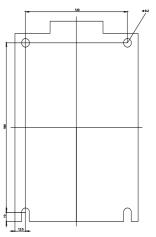
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36/char

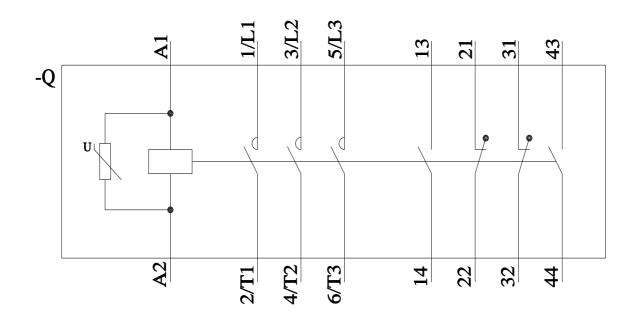
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AP36&objecttype=14&gridview=view1









last modified:

5/8/2023 🖸